

```
-- Create Customer Table
CREATE TABLE Customer_T
      (CustomerID          BIGINT          NOT NULL check (CustomerID >
0),
      CustomerName          VARCHAR(50)          NOT NULL,
      CustomerPhoneNum      char(10),
      CustomerAddress        VARCHAR(250),
CONSTRAINT Customer_PK PRIMARY KEY (CustomerID)
);
```

```
-- Create Customer Table INSERTS
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000001','Shannon Kelly', '2035058200', '101 Main Street,
Santa Clara, CA 95050');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000010','Sam Peterson', '8890674532', '100 Easy Street,
Orlando, FL 64325');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000009','Emily Johnson', '6678434045', '95 Madison Avenue,
New York, NY 07564');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000008','Jack Taylor', '7589954075', '13 Apple Road,
Seattle, WA 12245');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000007','Sarah Stevens', '4678905503', '84 West Avenue,
Chicago, IL 45623');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000006','Maddie Connors', '9923451107', '78 Elm Street,
Dallas, TX 78203');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000005','Collin Barton', '7812345588', '557 Washington
Street, Santa Cruz, CA 99764');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000004','Brendan Henderson', '1234489765', '132 Circle
Road, Los Angeles, CA 87442');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000003','Matthew Nguyen', '8045567894', '123 Market Street,
Denver, CO 67542');
```

```
INSERT INTO Customer_T (CustomerID, CustomerName, CustomerPhoneNum,
CustomerAddress)
VALUES ('000000000002','John Smith', '9176221345', '773 East Avenue, San
Francisco, CA 90722');
```

```
-- Create Automobile Table
```

```
CREATE TABLE Automobile_T
    (AutomobileVIN char(17) NOT NULL,
    AutomobileYear char(4),
    AutomobileMake varchar(30),
    AutomobileModel varchar(30),
    CustomerID BIGINT NOT NULL,
    CONSTRAINT Automobile_PK PRIMARY KEY (AutomobileVIN),
    CONSTRAINT Automobile_FK1 FOREIGN KEY (CustomerID) REFERENCES
    Customer_T(CustomerID)
);
```

```
-- Create Automobile Table INSERTS
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('G123H4JKFNCH567D1', '2007', 'Jeep', 'Cherokee', '000000000001' ) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('JKE3H5Y710DNJE35Y', '2013', 'GMC', 'Sierra', '000000000002' ) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('A54FG3SF4YHJ6NOC9', '2002', 'Subaru', 'WRX', '000000000003' ) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
```

```
VALUES ('F647H2JSB6N8MD730', '2022', 'Volkswagen', 'Tiguan', '00000000004'
) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('N56HDG477SH10H00H', '2016', 'Honda', 'Civic', '00000000005' ) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('GETHSG2345D67H890', '2006', 'Dodge', 'Ram', '00000000006' ) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('567FHGTESRF34DBHU', '2019', 'Ford', 'Mustang', '00000000007' ) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('4GWYE63NDH7DJ890L', '2023', 'Dodge', 'Challenger', '00000000008'
) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('34SF567GHERBYSFE7', '2000', 'Land Rover', 'Defender',
'00000000009' ) ;
```

```
INSERT INTO automobile_t (automobilevin, automobileyear, automobilemake,
automobilemodel, customerid)
VALUES ('1HETDGY63SHE67890', '2022', 'Mazda', 'CX5', '00000000010' ) ;
```

```
-- Create Employee Table
```

```
CREATE TABLE Employee_T
    (EmployeeID BIGINT          NOT NULL,
    EmployeeName    VARCHAR(50) NOT NULL,
    EmployeePhoneNumber    CHAR(10),
    EmployeeHireDate    DATE,
    EmployeeType      CHAR(1),
    CONSTRAINT Employee_PK PRIMARY KEY (EmployeeID)
) ;
```

```
-- Create Employee Table INSERTS
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (1, 'Jusuf Nurkic', '5529398812', '12/02/12', 'T') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (2, 'Matisse Thybulle', '5349299712', '09/02/13', 'T') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (3, 'Trendon Watford', '4423390815', '05/12/11', 'T') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (4, 'Jerami Granty', '9371629304', '08/09/12', 'T') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (5, 'Nassir Little', '1902839401', '01/22/13', 'T') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (6, 'Greg Brown III', '9284718278', '03/24/10', 'M') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (7, 'Cameron Reddish', '5555555557', '05/05/10', 'M') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (8, 'Drew Eubanks', '5192349871', '02/15/09', 'M') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (9, 'Damian Lillard', '1938924522', '06/28/02', 'M') ;
```

```
INSERT INTO employee_t (EmployeeID, EmployeeName, EmployeePhoneNumber,
EmployeeHireDate, Employeeetype)
VALUES (10, 'Shaedon Sharpe', '7777777111', '07/10/13', 'M') ;
```

```
-- Create Manager_T Table
```

```
CREATE TABLE Manager_T
    (MEmployeeID          BIGINT NOT NULL check (MEmployeeID >
0),
CONSTRAINT Manager_PK PRIMARY KEY (MEmployeeID)
);
```

```

-- Create Manager_T Table INSERTS

INSERT INTO manager_t (MEmployeeID)
VALUES ('9284718278') ;

INSERT INTO manager_t (MEmployeeID)
VALUES ('5555555557') ;

INSERT INTO manager_t (MEmployeeID)
VALUES ('5192349871') ;

INSERT INTO manager_t (MEmployeeID)
VALUES ('1938924522') ;

INSERT INTO manager_t (MEmployeeID)
VALUES ('4963496781') ;


-- Create Technician_T Table
CREATE TABLE Technician_T
    (TEmployeeID          BIGINT NOT NULL check (TEmployeeID >
0),
CONSTRAINT Technician_PK PRIMARY KEY (TEmployeeID)
);


-- Create Technician_T Table INSERTS
INSERT INTO technician_t (TEmployeeID)
VALUES ('5529398812') ;

INSERT INTO technician_t (TEmployeeID)
VALUES ('5349299712') ;

INSERT INTO technician_t (TEmployeeID)
VALUES ('4423390815') ;

INSERT INTO technician_t (TEmployeeID)
VALUES ('9371629304') ;

INSERT INTO technician_t (TEmployeeID)
VALUES ('1902839401') ;


-- Create Repair Estimate Table
CREATE TABLE RepairEstimate_T
    (RepairEstimateID      BIGINT    NOT NULL check (RepairEstimateID >
0),
RepairEstimateDescription  VARCHAR(1000),

```

```

        RepairEstimateAmount          INT,
        RepairEstimateCompletion      DATE,
        RequestingCustomerID          BIGINT,
        ApprovingCustomerID           BIGINT,
        AutomobileVIN                  CHAR(17),
        MEmployeeID                   BIGINT,
CONSTRAINT RepairEstimate_PK PRIMARY KEY (RepairEstimateID),
CONSTRAINT RepairEstimate_FK1 FOREIGN KEY (AutomobileVIN) REFERENCES
Automobile_T(AutomobileVIN),
CONSTRAINT RepairEstimate_FK2 FOREIGN KEY (MEmployeeID) REFERENCES
Manager_T(MEmployeeID),
CONSTRAINT RepairEstimate_FK3 FOREIGN KEY (RequestingCustomerID)
REFERENCES Customer_T(CustomerID),
CONSTRAINT RepairEstimate_FK4 FOREIGN KEY (ApprovingCustomerID) REFERENCES
Customer_T(CustomerID)
);

```

```
-- Create Repair Estimate Table INSERTS
```

```

INSERT INTO repairestimate_t (RepairEstimateID, RepairEstimateDescription,
RepairEstimateAmount, RepairEstimateCompletion, RequestingCustomerID,
ApprovingCustomerID, AutomobileVIN, MEmployeeID)
VALUES (1, 'Change left tire', 50, '06/24/2014', '00000000001',
'00000000001', 'G123H4JKFNCH567D1', '9284718278');

```

```

INSERT INTO repairestimate_t (RepairEstimateID, RepairEstimateDescription,
RepairEstimateAmount, RepairEstimateCompletion, RequestingCustomerID,
ApprovingCustomerID, AutomobileVIN, MEmployeeID)
VALUES (2, 'Change right tire', 50, '06/26/2014', '00000000002',
'00000000002', 'JKE3H5Y710DNJE35Y', '9284718278');

```

```

INSERT INTO repairestimate_t (RepairEstimateID, RepairEstimateDescription,
RepairEstimateAmount, RepairEstimateCompletion, RequestingCustomerID,
ApprovingCustomerID, AutomobileVIN, MEmployeeID)
VALUES (3, 'Change right tail brake light', 25, '03/13/2009',
'00000000003', '00000000003', 'A54FG3SF4YHJ6NOC9', '5555555557');

```

```

INSERT INTO repairestimate_t (RepairEstimateID, RepairEstimateDescription,
RepairEstimateAmount, RepairEstimateCompletion, RequestingCustomerID,
ApprovingCustomerID, AutomobileVIN, MEmployeeID)
VALUES (4, 'Change left tail brake light', 25, '08/04/2016',
'00000000004', '00000000004', 'F647H2JSB6N8MD730', '5555555557');

```

```

INSERT INTO repairestimate_t (RepairEstimateID, RepairEstimateDescription,
RepairEstimateAmount, RepairEstimateCompletion, RequestingCustomerID,
ApprovingCustomerID, AutomobileVIN, MEmployeeID)

```

```
VALUES (5, 'Change left tail brake light', 100, '07/14/2013',  
'000000000005', '000000000005', 'N56HDG477SH10H00H', '5192349871');
```

```
-- Create Repair Table
```

```
CREATE TABLE Repair_T  
    (RepairID BIGINT NOT NULL check (RepairID >  
0),  
    RepairDescription VARCHAR(1000),  
    RepairInitiationDate DATE,  
    RepairCompletionDate DATE,  
    RepairDepositAmount INT,  
    RepairTotalAmount INT,  
    CustomerID BIGINT,  
    AutomobileVIN char(17),  
    RepairEstimateID BIGINT,  
CONSTRAINT Repair_PK PRIMARY KEY (RepairID),  
CONSTRAINT Repair_FK1 FOREIGN KEY (CustomerID) REFERENCES  
Customer_T(CustomerID),  
CONSTRAINT Repair_FK2 FOREIGN KEY (RepairEstimateID) REFERENCES  
RepairEstimate_T(RepairEstimateID)  
);
```

```
-- Create Repair Table INSERTS
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,  
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto  
mobileVIN,RepairEstimateID)  
VALUES (01, 'Changed left tire', '06/25/2014', '06/25/2014', 20, 50,  
000000000001, 'G123H4JKFNCH567D1', 1) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,  
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto  
mobileVIN,RepairEstimateID)  
VALUES (02, 'Changed right tire', '06/27/2014', '06/28/2014', 20, 50,  
000000000002, 'JKE3H5Y710DNJE35Y', 2) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,  
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto  
mobileVIN,RepairEstimateID)  
VALUES (03, 'Changed right tail brake light', '03/14/2009', '03/24/2009',  
5, 25, 000000000003, 'A54FG3SF4YHJ6NOC9', 3) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto
mobileVIN,RepairEstimateID)
VALUES (04, 'Changed left tail brake light', '08/05/2016', '08/05/2016',
5, 25, 000000000004, 'F647H2JSB6N8MD730', 4) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto
mobileVIN,RepairEstimateID)
VALUES (05, 'Changed left tail brake light with major damage',
'07/15/2013', '07/15/2013', 20, 100, 000000000005, 'N56HDG477SH10H00H', 5)
;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto
mobileVIN,RepairEstimateID)
VALUES (06, 'Replaced windshield', '11/24/2011', '11/25/2011', 50, 200,
000000000006, 'G123H4JKFNCH567D1', 6) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto
mobileVIN,RepairEstimateID)
VALUES (07, 'Fixed sputtering engine', '02/28/2018', '02/28/2018', 100,
500, 000000000007, '567FHGTESRF34DBHU', 7) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto
mobileVIN,RepairEstimateID)
VALUES (08, 'Fixed alternator', '05/26/2017', '05/27/2017', 35, 150,
000000000008, '4GWYE63NDH7DJ890L', 8) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto
mobileVIN,RepairEstimateID)
VALUES (09, 'Fixed starter motor', '09/08/2017', '09/10/2017', 75, 300,
000000000009, '34SF567GHERBYSFE7', 9) ;
```

```
INSERT INTO repair_T (RepairID, RepairDescription, RepairInitiationDate,
RepairCompletionDate,RepairDepositAmount,RepairTotalAmount,CustomerID,Auto
mobileVIN,RepairEstimateID)
VALUES (10, 'Fixed warning lights', '10/22/2019', '10/22/2019', 5, 35,
000000000010, '1HETDGY63SHE67890', 10) ;
```

```
select*
from repair_T
-- Create Supervise_T Table
CREATE TABLE Supervise_T
```

```

                (RepairID                BIGINT NOT NULL CHECK (RepairID > 0),
                MEmployeeID              BIGINT NOT NULL CHECK (MEmployeeID
>0),
CONSTRAINT Supervise_PK PRIMARY KEY (RepairID, MEmployeeID),
CONSTRAINT Supervise_FK1 FOREIGN KEY (RepairID) REFERENCES
Repair_T(RepairID),
CONSTRAINT Supervise_FK2 FOREIGN KEY (MEmployeeID) REFERENCES
Manager_T(MEmployeeID)
);

```

```
-- Create Supervise_T Table INSERT
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (1, 9284718278);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (2, 5555555557);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (3, 5192349871);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (4, 1938924522);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (5, 4963496781);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (6, 9284718278);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (7, 5555555557);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (8, 5192349871);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (9, 1938924522);
```

```
INSERT INTO supervise_t (repairid, memployeeid)
VALUES (10, 4963496781);
```

```
-- Create Equipment_T Table
```

```
CREATE TABLE Equipment_T
(EquipmentID          BIGINT          NOT NULL check (EquipmentID > 0),
```

```

EquipmentDescription  VARCHAR(1000),
EquipmentManufacturer VARCHAR(50),
EquipmentModel       VARCHAR (75),
CONSTRAINT Equipment_PK PRIMARY KEY (EquipmentID)
);
-- Create Equipment_T Table INSERTS

INSERT INTO equipment_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (1, 'Tire Changer', 'Best Buy Auto', 'Nationwide Tire Changer
3000');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (2, 'Car Lift', 'Home Depot', 'Max Jax Double Post Car Lift');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (3, 'Torque Wrench', 'Harbor Freight Tools', 'Icon 37 Wrench');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (4, 'Jumper Cables', 'Energizer', 'Max 48 Heavy Duty Jumper
Cables');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (5, 'Oil Drain', 'Energizer', 'Disco 994 Oil Drain Set');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (6, 'Hammer', 'Home Depot', 'Build 100 Hammer');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (7, 'Tape Measure', 'Best Buy Auto', 'Flex 99 Measuring Tape');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (8, '2 Ton Car Jack', 'AutoZone', 'Pro-Lift 767 Jack');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)
VALUES (9, 'Large Pliers', 'AutoZone', 'SE235 Pliers');

INSERT INTO EQUIPMENT_t (equipmentid, equipmentdescription,
equipmentmanufacturer, equipmentmodel)

```

```
VALUES (10, 'Phillips-head Screwdriver', 'Home Depot', 'Phillips 47782');
```

```
-- Create EquipmentHoursRequired_T Table
```

```
CREATE TABLE EquipmentHoursRequired_T
    (RepairEstimateID      BIGINT NOT NULL,
     EquipmentID            BIGINT NOT NULL,
     EquipmentHoursRequired INT check (EquipmentHoursRequired
> 0),
 CONSTRAINT EquipmentHoursRequired_PK PRIMARY KEY (RepairEstimateID,
EquipmentID),
 CONSTRAINT EquipmentHoursRequired_FK1 FOREIGN KEY (RepairEstimateID)
REFERENCES RepairEstimate_T (RepairEstimateID),
 CONSTRAINT EquipmentHoursRequired_FK2 FOREIGN KEY (EquipmentID) REFERENCES
Equipment_T (EquipmentID)
);
```

```
-- Create EquipmentHoursRequired_T Table INSERTS
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,
equipmentid,equipmenthoursrequired)
VALUES (1, 1, 1);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,
equipmentid,equipmenthoursrequired)
VALUES (2, 2, 3);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,
equipmentid,equipmenthoursrequired)
VALUES (3, 3, 5);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,
equipmentid,equipmenthoursrequired)
VALUES (4, 4, 10);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,
equipmentid,equipmenthoursrequired)
VALUES (5, 5, 2);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,
equipmentid,equipmenthoursrequired)
VALUES (6, 6, 12);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,
equipmentid,equipmenthoursrequired)
VALUES (7, 7, 4);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,  
equipmentid,equipmenthoursrequired)  
VALUES (8, 8, 1);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,  
equipmentid,equipmenthoursrequired)  
VALUES (9, 9, 15);
```

```
INSERT INTO equipmenthoursrequired_t (repairestimateid,  
equipmentid,equipmenthoursrequired)  
VALUES (10, 10, 9);
```

```
-- Create Skill_T
```

```
CREATE TABLE Skill_T  
    (SkillID      BIGINT      NOT NULL check (SkillID > 0),  
     SkillName    VARCHAR(30),  
     SkillDescription VARCHAR(1000),  
 CONSTRAINT Skill_PK PRIMARY KEY (SkillID)  
 );
```

```
-- Create Skill_T INSERTS
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)  
VALUES (1, 'Engine Mechanic', 'Checks and fixes detailed parts of  
engine');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)  
VALUES (2, 'Chassis Mechanic', 'Maintain and repair brakes and brake  
systems');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)  
VALUES (3, 'Metal Fabrication', 'Follow blueprints and patterns to create  
structures from raw metal');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)  
VALUES (4, 'Painting', 'Apply paint and finishes to the exterior of a  
vehicle');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)  
VALUES (5, 'Oil Changer', 'Changes oil of cars');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)  
VALUES (6, 'Tire Changer', 'Changes tires on cars');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)
```

```
VALUES (7, 'Electrical Engineer', 'Maintain and repair electronic controls
and safety systems of vehicles');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)
VALUES (8, 'Inspecting/Testing', 'Periodically check repair equipment and
test to ensure it is working properly');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)
VALUES (9, 'Car Detailer', 'Cleans both interior and exterior of cars by
washing, vacuuming, waxing, and polishing the car');
```

```
INSERT INTO skill_t (skillid, skillname, skilldescription)
VALUES (10, 'Collision Repair', 'Specifically able to address and repair
damage due to vehicle collisions');
```

```
-- Create LaborEstimate_T Table
```

```
CREATE TABLE LaborEstimate_T
    (RepairEstimateID      BIGINT NOT NULL,
     SkillID               BIGINT NOT NULL,
     SkillHoursRequired    INT check (SkillHoursRequired >
0),
CONSTRAINT LaborEstimate_PK PRIMARY KEY (RepairEstimateID, SkillID),
CONSTRAINT LaborEstimate_FK1 FOREIGN KEY (RepairEstimateID) REFERENCES
RepairEstimate_T (RepairEstimateID),
CONSTRAINT LaborEstimate_FK2 FOREIGN KEY (SkillID) REFERENCES
Skill_T (SkillID)
);
```

```
-- Create LaborEstimate_T Table INSERTS
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (1, 1, 4);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (2, 2, 5);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (3, 3, 1);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (4, 4, 8);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (5, 5, 10);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (6, 6, 14);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (7, 7, 2);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (8, 8, 17);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (9, 9, 6);
```

```
INSERT INTO laborestimate_t (repairestimateid, skillid,
skillhoursrequired)
VALUES (10, 10, 7);
```

```
-- Create Part_T Table
```

```
CREATE TABLE Part_T
    (PartID          BIGINT          NOT NULL check (PartID>0),
    PartDescription  VARCHAR(1000),
    PartUnitCost     INT      check (PartUnitCost > 0),
    PartQuantityOnHand INT      check (PartQuantityOnHand > -1),
    CONSTRAINT Part_PK PRIMARY KEY (PartID)
);
```

```
-- Create Part_T Table INSERT
```

```
INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (1, 'Tire', '130', '84');
```

```
INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (2, 'Brake Pads', '215', '42');
```

```
INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
```

```

VALUES (3, 'Headlight', '35', '97');

INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (4, 'Battery', '95', '49');

INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (5, 'Cabin Air Filter', '45', '82');

INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (6, 'Spark Plug', '10', '103');

INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (7, 'Oil Filter', '25', '52');

INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (8, 'Wiper Blade', '14', '74');

INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (9, 'Transmission', '850', '6');

INSERT INTO part_t (partid, partdescription, partunitcost,
partquantityonhand)
VALUES (10, 'Engine', '4750', '2');

-- Create PartQuantityRequired_T
CREATE TABLE PartQuantityRequired_T
    (RepairEstimateID      BIGINT NOT NULL check (RepairEstimateID
> 0),
    PartID                  BIGINT NOT NULL check (PartID >
0),
    PartQuantityRequired   INT check (PartQuantityRequired > 0),
CONSTRAINT PartQuantityRequired_PK PRIMARY KEY (RepairEstimateID, PartID),
CONSTRAINT PartQuantityRequired_FK1 FOREIGN KEY (RepairEstimateID)
REFERENCES RepairEstimate_T(RepairEstimateID),
CONSTRAINT PartQuantityRequired_FK2 FOREIGN KEY (PartID) REFERENCES
Part_T(PartID)
);

-- Create PartQuantityRequired_T INSERT

```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (1,1,3);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (2,2,15);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (3,3,2);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (4,4,9);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (5,5,3);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (6,6,13);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (7,7,4);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (8,8,6);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (9,9,1);
```

```
INSERT INTO partquantityrequired_t (repairestimateid, partid,
partquantityrequired)
VALUES (10,10,8);
```

```
-- Create PartConsumption_T Table
```

```
CREATE TABLE PartConsumption_T
    (PartID BIGINT NOT NULL,
    RepairID BIGINT NOT NULL,
    PartConsumptionDate DATE,
    PartQuantityConsumed INT,
    CONSTRAINT PartConsumption_PK PRIMARY KEY (PartID, RepairID),
```

```

CONSTRAINT PartConsumption_FK1 FOREIGN KEY (PartID) REFERENCES
Part_T(PartID),
CONSTRAINT PartConsumption_FK2 FOREIGN KEY (RepairID) REFERENCES
Repair_T(RepairID)
);

-- Create PartConsumption_T Table INSERTS

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (1, 01, '06/25/2014', 1) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (2, 02, '06/27/2014', 3) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (3, 03, '03/14/2009', 2) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (4, 04, '08/05/2016', 1) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (5, 05, '07/15/2013', 2) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (6, 06, '11/24/2011', 6) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (7, 07, '02/28/2018', 1) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (8, 08, '05/26/2017', 2) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (9, 09, '09/08/2017', 5) ;

INSERT INTO partconsumption_t (PartID, RepairID, PartConsumptionDate,
PartQuantityConsumed)
VALUES (10, 10, '10/22/2019', 1) ;

```

```

-- Create Possess_T Table
CREATE TABLE Possess_T
    (SkillID          BIGINT      NOT NULL,
     TEmployeeID      BIGINT      NOT NULL,
 CONSTRAINT Possess_PK PRIMARY KEY (SkillID, TEmployeeID),
 CONSTRAINT Possess_FK1 FOREIGN KEY (SkillID) REFERENCES Skill_T(SkillID),
 CONSTRAINT Possess_FK2 FOREIGN KEY (TEmployeeID) REFERENCES
 Technician_T(TEmployeeID)
);

-- Create Possess_T Table INSERTS

INSERT INTO possess_t (skillid, temployeeid)
VALUES (1, 5529398812);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (2, 5349299712);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (3, 4423390815);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (4, 9371629304);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (5, 1902839401);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (6, 4423390815);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (7, 1902839401);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (8, 5349299712);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (9, 5529398812);

INSERT INTO possess_t (skillid, temployeeid)
VALUES (10, 9371629304);

```

```

-- Create LaborUtilized_T Table
CREATE TABLE LaborUtilized_T
    (RepairID          BIGINT    NOT NULL,
     TEmployeeID       BIGINT    NOT NULL,
     ShiftStartDateTime DATE,
     ShiftEndDateTime  DATE,
    CONSTRAINT LaborUtilized_PK PRIMARY KEY (RepairID, TEmployeeID),
    CONSTRAINT LaborUtilized_FK1 FOREIGN KEY (RepairID) REFERENCES
Repair_T(RepairID),
    CONSTRAINT LaborUtilized_FK2 FOREIGN KEY (TEmployeeID) REFERENCES
Technician_T(TEmployeeID)
);

-- Create LaborUtilized_T Table INSERTS

INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (01, 5529398812, '06/25/2014', '06/25/2014') ;

INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (02, 5529398812, '06/27/2014', '06/27/2014') ;

INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (03, 5349299712, '03/14/2009', '03/14/2009') ;

INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (04, 5349299712, '08/05/2016', '08/05/2016') ;

INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (05, 4423390815, '07/15/2013', '07/15/2013') ;

INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (06, 4423390815, '11/25/2011', '11/25/2011') ;

INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (07, 9371629304, '02/28/2018', '02/28/2018') ;

```

```
INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (08, 9371629304, '05/26/2017', '05/27/2017') ;
```

```
INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (09, 1902839401, '09/08/2017', '09/10/2017') ;
```

```
INSERT INTO LaborUtilized_t (RepairID, TEmployeeID, ShiftStartDateTime,
ShiftEndDateTime)
VALUES (10, 1902839401, '10/22/2019', '10/22/2019') ;
```

```
--Create EquipmentUtilized_T
CREATE TABLE EquipmentUtilized_T
    (EquipmentID      BIGINT      NOT NULL,
    RepairID          BIGINT      NOT NULL,
    EquipmentCheckInDateTime      DATE,
    EquipmentCheckOutDateTime     DATE,
    TEmployeeID        BIGINT,
    CONSTRAINT EquipmentUtilized_PK PRIMARY KEY (EquipmentID, RepairID),
    CONSTRAINT EquipmentUtilized_FK1 FOREIGN KEY (EquipmentID) REFERENCES
Equipment_T(EquipmentID),
    CONSTRAINT EquipmentUtilized_FK2 FOREIGN KEY (RepairID) REFERENCES
Repair_T(RepairID),
    CONSTRAINT EquipmentUtilized_FK3 FOREIGN KEY (TEmployeeID) REFERENCES
Technician_T(TEmployeeID)
);
```

```
--Create EquipmentUtilized_T INSERTS
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)
VALUES (1, 01, '06/25/2014', '06/25/2014', 5529398812);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)
VALUES (2, 02, '06/27/2014', '06/27/2014', 5529398812);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)
VALUES (3, 03, '03/14/2009', '03/24/2009', 5349299712);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)
VALUES (4, 04, '08/05/2016', '08/05/2016', 5349299712);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,  
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)  
VALUES (5, 05, '07/15/2013', '07/15/2013', 4423390815);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,  
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)  
VALUES (6, 06, '11/24/2011', '11/25/2011', 4423390815);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,  
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)  
VALUES (7, 07, '02/28/2018', '02/28/2018', 9371629304);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,  
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)  
VALUES (8, 08, '05/26/2017', '05/27/2017', 9371629304);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,  
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)  
VALUES (9, 09, '09/08/2017', '09/10/2017', 1902839401);
```

```
INSERT INTO equipmentutilized_t (EquipmentID, RepairID,  
EquipmentCheckInDateTime, EquipmentCheckOutDateTime, TEmployeeID)  
VALUES (10, 10, '10/22/2019', '10/22/2019', 1902839401);
```