/personalDirectory

Contains the file

Autograde

Contains the File

Contains the File

Students

Made up of

Stu3

Stu1

Stu2

Stu4

Stu_n

if Stu_n exists in roster, grade Stu_n

Homework Directory for Stu_n

Homework_1

Homework_3

Homework_2

Homework_4

Homework_n

if/when proffessor makes new homework_n directory/file, make new homework directory in each student file for that student's new homework_n submisson

Student uploads all 4 problems for HW_n into txt file within HW_n direcctory

For each line in Homework:
1. execute it
2. store the output in a file
3. Check the output if the output is same as instructor's solution

if student uploads cat file into HW_n submisson directory, then begin grading mechanism

awk Row the concatenation of the student's HW_n input text file

Run extracted awk row n

Store output into file

HW_n Problem	Stu_n_Homework_n_ExpectedOutputs
1	The Caterpillar and Alice looked at each other for some time in silence.

diff student_output expected_output $J | wc -l

HW_n Problem	HWn_epectedOutputs
1	The Caterpillar and Alice looked at each other for some time in silence.

Compared output Calculation Process Begins

if diff == 0

problem_n+=1

Student gets full marks

if diff == 1-5

problem_n+=(0.2 - 0.9)

Student gets partial credit

if diff > 5

problem_n+=0

Student gets zero credit

Stores each problem grade for student_n into temporary area

HW_n Problem	Stu_n points earned
1	0.5
2	1
3	0.5
4	...

grading process for stu_n hw_n loops again

Determine student and expected output similarity

expectedOutputs

expectedOutputHW_1

expectedOutput_3

expectedOutput_2

expectedOutput_4

expectedOutputHW_n

store all expected outputs_n before compairing to student_n's expected problem_n output

HW_n Problem	HWn_epectedOutputs
1	The Caterpillar and Alice looked at each other for some time in silence.
2	expected out put 2
3	expected output 3
4	expected out4

run solution and make new expected output file within expected output directory

Problem	HWn_Solutions
1	grep -E '\b\w{8,}\b.*\b\w{8,}\b' alice.txt
2	
3	
4	

Solutions

HW1_Solutions

HW3_Solutions

HW2_Solutions

HW4_Solutions

HWn_Solutions

For each line in Solutions:
1. execute it
2. store the output in a file

Instructor

Contains the File

Contains the File

Student Roster

stu_1

stu_2

stu_n

Main_table

Has Fields

Student	HW1	HW2	HW3	HW4	HW_n	Stu Sum	Possible Total	Grade %
Stu1								
Stu2								
Stu3								
Stu4								
Stu_n	3	2.1	1	1.7	**2.5**	10.8	15	**0.72**

Updates maintable with new Hw_n grade through the paste command

Student	HW_n grade
stu_n	2.5

sum command that add up for student_n

Is this the updating column?