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1. Main function:
   1. Set up opening of CSV file
   2. Run for every line in the file
   3. Set up rows
      1. Header function
      2. Class description (not a function, just a print/write statement)
2. Header function:
   1. Take in (First name, Last name, Gender)
   2. Write header
   3. Writing of premade sentence about class
3. Classwork function:
   1. Take in (exams, labs, problem\_sets):
   2. Write sentence w/ name, exam
4. Student Grade function:
   1. Take in (%on exams, %on labs, %on problem sets)
   2. Write premade sentence
5. Skills (skill\_list):
   1. Take in skill list
   2. Depending on length, print a type of pre-made sentence
6. talking\_needed(Y/N):
   1. Take in yes/no input:
   2. Write a sentence like one given
7. practice\_needed(Y/N):
   1. Write sentence about benefiting from practice
8. SRP(srp\_name, score):
   1. Title of student’s project, grade on project
   2. Write a sentence about title (italics) and grade
   3. Write a sentence about project due date
9. Good progress(Y/N):
   1. Take in y/n
   2. Write sentence about progress

def header\_function(lastname,firstname,gender):

f.write(lastname.title()+' '+firstname.title()+'\n')

f.write('In the first semester of Honors Physic, students have worked to integrate precise definitions of velocity and acceleration into familiar mathematical frameworks. Students have also studied Newton"s laws of motion in the context of constant forces in one and two spatial dimensions. A major aspect of this work has been translating word problems into algebraic expressions using a small set of fundamental principles.')

def classwork(assignmentcompletion,firstname):

firstname=firstname.title()

if assignmentcompletion=='Yes':

f.write('Understanding of these concepts has been built up and assessed using 4 homework problem sets, 6 labs, 2 cumulative in-class exams, and frequent short quizzes and all of these assignments were completed by %s'%(firstname))

if assignmentcompletion=='No':

f.write('Understanding of these concepts has been built up and assessed using 4 homework problem sets, 6 labs, 2 cumulative in-class exams, and frequent short quizzes. However, %s had not complete all required assignments. I strongly encourage %s to reach out to me anytime when encounter difficulties.'%(firstname,firstname))

def studentgrade(exams,labs,problemsets,firstname):

firstname=firstname.title()

f.write('%s has earned %s on exams, %s on labs, and %s on problem sets.'%(firstname,exams,labs,problemsets))

def practice\_needed(answer, name):

sentence = 'In addition to the primary resources of in-class instruction and online lecture notes, it might be useful for {} to practice more of the problems found in the in the textbook, which is available in the classroom or the library.'.format(name)

none = ''

if answer == 'Yes':

return sentence

if answer == 'No':

return none

def skill(skills,firstname):

firstname=firstname.title()

skill\_list=skills.split(',')

if len(skill\_list)>=2:

f.write(' % has demonstrated various good studying skills throughout this courses. % has found success by applying strong these skills including % and %.'%(firstname,firstname,skill\_list[0],skill\_list[1]))

if "time management" in skill\_list:

f.write('% shows strong ability in time management. % always completes the lab reports and homework on time.'%(firstname,firstname))

if "work ethic" in skill\_list:

f.write(' % has demonstrated an impressive work ethic while facing the challenging material of this curriculum.')

if 'positive attitude' in skill\_list:

f.write(' % is engaged in the classroom and asks insightful and helpful questions during instruction. '(firstname))

if len(skill\_list)=1:

f.write('Although % displays'+skill\_list+'throughout this semester, %"s performance in Honor Physic can be improved by learning other useful studying skills. '%(firstname,firstname))

def SRP(name, title, score):

sentence = '{} has been investigating {} and has earned {}% on work submitted so far.'.format(name, title, score)

return sentence