Tutorial 03 CS384 - Academic Subject Record

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Assignment Given: 2nd Sep 2021,
Deadline 6th Sep 2021, 23:59
Submission: GitHub

Things to be kept in mind

1. You **cannot** use CSV library.

2. Simple file reading, writing needs to be used.

3. Program will be checked for plagiarism.

PS: This is an old list of courses. You may find your roll number here, but ignore the details. Its just for your practise.

Task 1:
You are given a "regtable_old.csv" file containing the subjects taken by IITP students. You need to make files for individual roll numbers with their subject information.

Template of "regtable_old.csv" is as follows:
rollno: Roll number of the student
register_sem: Semester for which registered.
schedule_sem: Semester for which registered .
subno : Course Code.
grade1: Ignore.
date_of_entry1: Ignore.
grade2: Ignore .
date_of_entry2: Ignore.
sub_type: Core/Elective.

If a roll number has taken k subjects, there would be k rows against the roll number in the input file "regtable_old.csv". Your task to read the "regtable_old.csv" file without the csv library and make k files corresponding to k roll numbers. A sample output for Task 1 is shown in 1901EE01.csv file. (Note the, between the text. You cannot use CSV module for writing also)

Check the sample_output folder 1901EE01.csv
rollno,register_sem,subno,sub_type
1901EE01,5,CS384,Open Elective
1901EE01,5,EE330,CORE
1901EE01,5,EE331,CORE

1901EE01,5,EE350,CORE
1901EE01,5,EE370,CORE
1901EE01,5,EE372,CORE
1901EE01,5,EE381,CORE

All of the outputs for Task 1 should go into the folder "output_individual_roll"

Task 2:

Now you need to make a file for every individual subject listed in the "regtable_old.csv". Read the **subno** column and for each individual subject you need to include all students that have taken those subject. (Note the, between the text. You cannot use CSV module for writing also). Check the file sample_output \CS384.csv file and make for all unique subjects.

All the outputs relating to Task 2 should go into "output_by_subject" folder.

I placed the sample output folder just for ease of viewing the output. Your outputs should go to folders as described in Task 1 and Task 2.