Tutorial 04 CS384 - Academic Subject Record with Excel Output

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Assignment Given: 10th Sep 2021,
Deadline 12th Sep 2021, 23:59
Submission: GitHub

Things to be kept in mind

1. You **need** to use CSV library and OpenPyXL.
2. You cannot use **pandas** library.
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 using the csv library and make k **xlsx** files corresponding to k roll numbers. A sample output for Task 1 is shown in 1901EE01.xlsx file.

Check the sample_output folder 1901EE01.xlsx
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 that have taken those subject. Check the file sample_output \CS384.xlsx 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.