

Suppose, ABC University have decided that they will not take admission test for their undergraduate academic programs for the next semester. The students will be selected for admission based on their SSC, HSC GPA and A level, O level GPA in case of English Medium students. They have stored all the applicants' data in a txt file called *student_data.txt*. Now the Admission Committee wants some analysis to be performed on this data. These analyses include - finding the distinct combined GPAs (SSC/O level + HSC/ A level GPA), finding the students' information holding that GPA, finding distinct SSC/ O Level GPA and respective students and lastly finding distinct HSC/ A level GPA and respective students. The Committee also wants these information to be stored in separate txt files on top of appending them on the main *student_data.txt* file.

Your task is to implement the requirements of the Admission Committee. You will be provided with *student_data.txt* file holding the information of seven (07) students. After performing the above-mentioned analyses, you will store the results in 3 different txt files – *total_gpa_analysis.txt*, *ssc_gpa_analysis.txt*, *hsc_gpa_analysis.txt*. You will also append the results in *student_data.txt* file.

A demo:

After code execution:				
student_data.txt (Given)	student_data.txt	total_gpa_analysis.txt	ssc_gpa_analysis.txt	hsc_gpa_analysis.txt
<pre>id 1 name abc total_gpa 9.55 hsc 4.55 ssc 5.0 id 2 name def total_gpa 9.55 hsc 5.0 ssc 4.55 id 3 name xyz total_gpa 8.00 Alevel 4.0 Olevel 4.0 id 4 name pqr total_gpa 10 hsc 5.0 ssc 5.0 id 5 name ali total_gpa 9.67 hsc 4.67 ssc 5.0 id 6 name hasan total_gpa 7.5 Alevel 3.5 Olevel 4.0 id 7 name kamal total_gpa 7.5 Alevel 4.0 Olevel 3.5</pre>	<pre>id 1 name abc total_gpa 9.55 hsc 4.55 ssc 5.0 id 2 name def total_gpa 9.55 hsc 5.0 ssc 4.55 id 3 name xyz total_gpa 8.00 Alevel 4.0 Olevel 4.0 id 4 name pqr total_gpa 10 hsc 5.0 ssc 5.0 id 5 name ali total_gpa 9.67 hsc 4.67 ssc 5.0 ... TOTAL GPA ANALYSIS: ===== For Bangla Medium: Total GPA: 10.00 ID: 4 ; Name: pqr ... SSC GPA ANALYSIS: ===== ... HSC GPA ANALYSIS: ===== ...</pre>	<pre>For Bangla Medium: ===== Total GPA: 10.00 ===== ID: 4 ; Name: pqr Total GPA: 9.67 ===== ID: 5 ; Name: ali Total GPA: 9.55 ===== ID: 1 ; Name: abc ID: 2 ; Name: def For English Medium: ===== Total GPA: 8.0 ===== ID: 3; Name: xyz Total GPA: 7.5 ===== ID: 6; Name: hasan ID: 7; Name: Kamal</pre>	<pre>For Bangla Medium: ===== SSC GPA: 5.00 ===== ID: 1 ; Name: abc ID: 4 ; Name: pqr ID: 5 ; Name: ali SSC GPA: 4.55 ===== ID: 2 ; Name: def For English Medium: ===== O level GPA: 4.0 ===== ID: 3; Name: xyz ID: 6; Name: hasan O level GPA: 3.5 ===== ID: 7; Name: kamal A level GPA: 4.0 ===== ID: 3; Name: xyz ID: 7; Name: kamal A level GPA: 3.5 ===== ID: 6; Name: hasan</pre>	<pre>For Bangla Medium: ===== HSC GPA: 5.00 ===== ID: 2 ; Name: def ID: 4 ; Name: pqr HSC GPA: 4.67 ===== ID: 5 ; Name: ali HSC GPA: 4.55 ===== ID: 1 ; Name: abc For English Medium: ===== A level GPA: 4.0 ===== ID: 3; Name: xyz ID: 7; Name: kamal A level GPA: 3.5 ===== ID: 6; Name: hasan</pre>

Note: You have to use structure in your code.

Show the contents of *student_data.txt* on console.

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