



**T.C.  
ESKİŞEHİR OSMANGAZİ UNIVERSITY  
FACULTY OF ENGINEERING AND ARCHITECTURE  
DEPARTMENT OF COMPUTER ENGINEERING  
152112016 COMPUTER PROGRAMMING  
MIDTERM**

		Grade
Print each course averages	:	40
Print each course bar	:	40
Print average for group 1	:	10
Print average for group 2	:	10
<b>TOTAL</b>	:	<b>100</b>

## PROBLEM

In this study, you will compute and compare the class averages of two groups of students. The output is shown as bar graphs. Detailed explanations about the problem are listed below.

1. There are two files named **group1.txt** and **group2.txt** that contain course information and grades of each student for each class.
2. You will calculate each course average for each group and show in simple bar graph. Use "\*" and "#" characters for group1 and group2, respectively.
3. You will see the number **-999** at the end of each line in the input files. This value is used for line termination and you can use it to verify that you have arrived at the end of the line.
4. The averages of each group should also be calculated and printed at the end of the file.
5. All of the results will be printed to the file. There will be no screen output.
6. Sample output is shown in Figure 1.

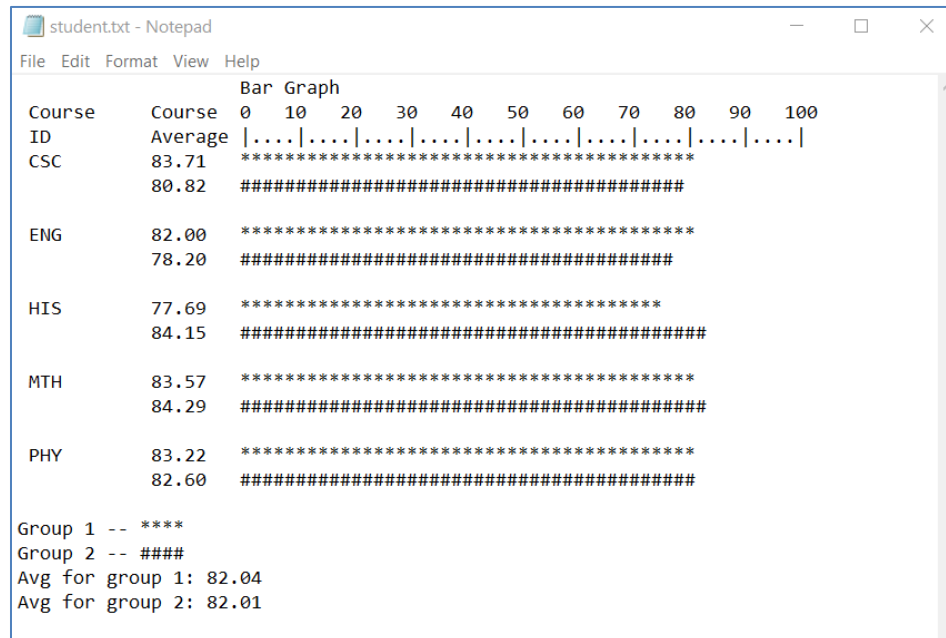


Figure 1. Sample output file

## WARNING!

YOUR PROGRAM WILL BE CHECKED FOR  
PLAGIARISM WITH A 3rd PARTY SOFTWARE.  
THEREFORE, YOU SHOULD DEVELOP YOUR  
ALGORITHM AND CODE COMPLETELY BY  
YOURSELF.