

Lab 3

Start your program with your information using the following format:

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/*
```

ID:

Name:

Lab No:

Question No:

Date:

```
*/
```

1. Write a C++ program to help a teacher to print a list of students and their scores and grades in the class. The teacher enters student ID of each student into the studentId vector, and score of each student into the studentScore vector. The program continues to receive the input while the student Id is greater than zero. The program calculates grade of each student based on the following condition
If score >= 90 grade = A
If score >= 80 grade = B
If score >= 70 grade = C
If score >= 60 grade = D
The score below 60 grade = F

Store the grade of each student into the studentGrade vector. Finally print Student ID, score and grade.

In this program you need to have the function inputIdAndScore() to allow the teacher to enter Id and score of each student in to the studentId , and studentScore vectors. The function calculateGrade() to calculate grade of each student and push all grades into the studentGrade vector. The function printResult() to print Id, score, and grade of all students.

The examples output of the program are as follows:

Enter student Id end with 0 or negative: 12345

Enter student score: 76

Enter student Id end with 0 or negative: 12346

Enter student score: 92

Enter student Id end with 0 or negative: 12347

Enter student score: 84

Enter student Id end with 0 or negative: 12348

Enter student score: 65

Enter student Id end with 0 or negative: 12349

Enter student score: 52

Enter student Id end with 0 or negative: 0

Student ID	Student Score	Student Grade
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12345	76	C
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12346	92	A
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12347	84	B
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12348	65	D
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12349	52	F
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