

Answer on Question #48928, Programming, C++

Task

Write a program that can enter marks for 1 student and calculate his total and grade with the following format

The inputs:

ID (As Integer), First (As Double), Second (As Double), Final (As Double), Total (As Double) and Grad (As Char)

The Grades are: A for 90's, B for 80's, C for 70's, D for 60's and F for less than 60.

The output:

St_Nm	ID	First	Second	Final	Average	Grade
1	20071156	15.5	16.5	30.1	62.1	D

Solution

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int id;
```

```
    double first, second, final, total;
```

```
    char grade;
```

```
    cout << "\nEnter the information about student:\n";
```

```
    cout << "ID:";
```

```
    cin >> id;
```

```
    cout << "First:";
```

```
    cin >> first;
```

```
    cout << "Second:";
```

```
    cin >> second;
```

```
    cout << "Final:";
```

```
    cin >> final;
```

```
    total = first + second + final;
```

```
    if (total >= 90) grade = 'A';
```

```
    else if (total >= 80) grade = 'B';
```

```
    else if (total >= 70) grade = 'C';
```

```
    else if (total >= 60) grade = 'D';
```

```
    else grade = 'F';
```

```
    cout << "\nSt_Nm\tID\tFirst\tSecond\tFinal\tAverage\tGrade\n";
```

```
    cout << id << "\t" << id << "\t" << first << "\t" << second << "\t" << final << "\t" << total << "\t" << grade;
```

```
    cout << "\nFor exit enter any symbol\n";
```

```
    cin >> id;
```

```
    return 0;
```

```
}
```