

CS101 ASSIGNMENT 2 IDEA SOLUTION SPRING 2023

```
#include <iostream>
using namespace std;

int main() {
    string vuID, finalGrade;
    int csMarks, mathMarks, pakStudyMarks, mgtMarks;

    cout << "Enter your VU-ID: " << endl;
    cin >> vuID;
    cout << "Enter Marks for CS: " << endl;
    cin >> csMarks;
    cout << "Enter Marks for Math: " << endl;
    cin >> mathMarks;
    cout << "Enter Marks for Pak Study: " << endl;
    cin >> pakStudyMarks;
    cout << "Enter Marks for MGT: " << endl;
    cin >> mgtMarks;

    int totalMarks = csMarks + mathMarks + pakStudyMarks + mgtMarks;
    double averageMarks = totalMarks / 4.0;

    if (averageMarks >= 91 && averageMarks <= 100) {
        finalGrade = "A+";
    } else if (averageMarks >= 81 && averageMarks < 91) {
        finalGrade = "A-";
    } else if (averageMarks >= 71 && averageMarks < 81) {
        finalGrade = "B+";
    } else if (averageMarks >= 61 && averageMarks < 71) {
        finalGrade = "B-";
    } else if (averageMarks >= 51 && averageMarks < 61) {
        finalGrade = "C";
    } else if (averageMarks >= 41 && averageMarks < 51) {
```



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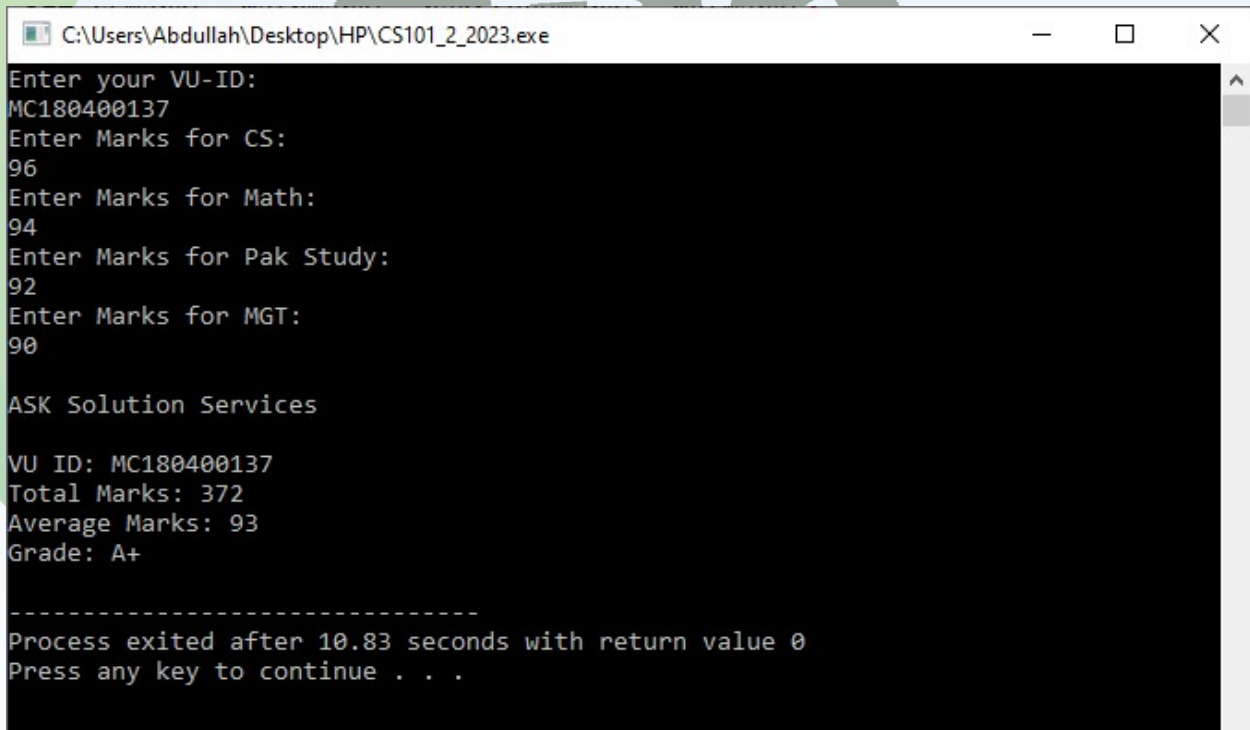


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```
        finalGrade = "D";
    } else if (averageMarks >= 35 && averageMarks < 41) {
        finalGrade = "E";
    } else {
        finalGrade = "Fail";
    }

    cout << "\nASK Solution Services " << endl;
    cout << "\nVU ID: " << vuID << endl;
    cout << "Total Marks: " << totalMarks << endl;
    cout << "Average Marks: " << averageMarks << endl;
    cout << "Grade: " << finalGrade << endl;

    return 0;
}
```



```
C:\Users\Abdullah\Desktop\HP\CS101_2_2023.exe
Enter your VU-ID:
MC180400137
Enter Marks for CS:
96
Enter Marks for Math:
94
Enter Marks for Pak Study:
92
Enter Marks for MGT:
90

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VU ID: MC180400137
Total Marks: 372
Average Marks: 93
Grade: A+

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Process exited after 10.83 seconds with return value 0
Press any key to continue . . .
```



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