OOP Quize1

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Code//

```cpp
#include<bits/stdc++.h>
using namespace std;
class Student{
public:
    int id;
    string name;
    int mark;
public:

    string calcscore(){
//      cout<<"The student which Id = "<<id<<" and his name is "<<name<<" has score ";
```

```cpp
        int s=mark;
        if(s>=0&&s<=30)return"F";
        else if(s>30&&s<=40)return"E";
        else if(s>40&&s<=50)return"D";
        else if(s>50&&s<=60)return"C";
        else if(s>60&&s<=70)return"C+";
        else if(s>70&&s<=80)return"B+";
        else if(s>80&&s<=90)return"A";
        else return"A+";
    }
};
int main(){
    const int sz=10;
    Student arr[sz];
    ifstream infile("file org.txt",ios::in);
    int i,m;string s;
    for(int i=0;i<10;i++){
        infile>>i>>s>>m;
```

```cpp
        arr[i].id=i;arr[i].name=s;arr[i].mark=m;
    }infile.close();

    ofstream outfile("file
org.txt",ios::out|ios::app);//the best shape
        for(int i=0;i<10;i++){
            outfile<<"The student which Id =
"<<arr[i].id<<" and his name is
"<<arr[i].name<<" has score ";
            outfile<<arr[i].calcscore()<<endl;
            cout<<"The student which Id =
"<<arr[i].id<<" and his name is
"<<arr[i].name<<" has score ";
            cout<<arr[i].calcscore()<<endl;
        }
    outfile.close();
```

```
    return 0;
}
```

101 Khaled_Ali 67
102 Samy_Omer 75
103 Hoda_Khalil 87
104 Naser_Mohamed 86
105 Nadia_Girgs 65
106 Hany_Saied 70
107 Hala_Khalifa 88
108 Hamdy_Rady 80
109 Omr_Ahmed 90
110 Nahed_Ali 56