1. **Write a class Student having name,id and marksof the five subjects. Write member function to calculate percentage and to display grade,**

**Code:**

#include<iostream>

using namespace std;

class Student{

private :int id,marks[5];

private :char name[45];

public : void getdata(){

cout<<"enter your name:";

cin>>name;

cout<<"enter your id:";

cin>>id;

for(int i=0;i<5;++i){

cout<<"enter the marks:";

cin>>marks[i];

}

}

public:void percentage(){

int m;

for(int i=0;i<5;++i){

m=m+marks[i];

}

float p=(m\*100)/(float)500;

cout<<"\nID:"<<id<<"\n";

cout<<name<<" has scored "<<p<<" % ";

if(p<30)

cout<<"Fail";

else if(p>30&&p<40)

cout<<"\nGrade D";

else if(p>41&&p<65)

cout<<"\nGrade C";

else if(p>=65&&p<80)

cout<<"\nGrade B";

else

cout<<"\nGrade A";

}

};

int main(){

Student s;

s.getdata();

s.percentage();

return 0;

}

**Output:**

