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#include<iostream>
using namespace std;
class student
{
    int reg,mark1,mark2,mark3,total,avg,c,a;
    float d;
    string name;
    public:
        void getdata();
        void calculation();
        void display();
};

void student::getdata()
{
    cout<<"enter the register number:";
    cin>>reg;
    cout<<"enter the name:";
    cin>>name;
    cout<<"enter the mark1:";
    cin>>mark1;
    cout<<"enter the mark2:";
    cin>>mark2;
    cout<<"enter the mark3:";
    cin>>mark3;
}

void student::calculation(){

    c=mark1+mark2+mark3;
    d=c/3;
}

void student::display()
{
    cout<<"name"<<name<<endl;
    cout<<"register number"<<reg<<endl;
    cout<<"the total marks obtained by student:"<<c<<endl;
    cout<<"average marks obtained:"<<d<<endl;
    if(d>90){
        cout<<"S grade";}
    else if(d>80){
        cout<<"A grade";}
    else if(d>70){
        cout<<"B grade";}
    else if(d>60){

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        cout<<"C grade";}
    else if(d>50){
        cout<<"D grade";}
    else{
        cout<<"failed";
    }
}
int main()
{
    student a;
    a.getdata();
    a.calculation();
    a.display();
    return 0;
}

```

```

enter the register number:18222
enter the name:anil
enter the mark1:40
enter the mark2:60
enter the mark3:70
nameanil
register number18222
the total marks obtained by student:170
average marks obtained:56
D grade
[Program finished]

```