

Test 3

```
using namespace std;

#include<iostream>

class Student {
    int rollno;
    char name[20];
    char addrese[100];
public:
    void display(){
        cout<<"roll no = "<<this->rollno<<endl;
        cout<<"name is = "<<this->name<<endl;
        cout<<"address is = "<<this->addrese<<endl;
    }
    void setrollno(int a){
        this->rollno=a;
    }
    void setname(char*str){
        strcpy(this->name,str);
    }
    void setaddres(char*str){
        strcpy(this->addrese,str);
    }
    int getrollno(){
        return this->rollno;
    }
    char* setname(){
        return this->name;
    }
    char* setaddres(){
        return this->addrese;
    }
}
```

```

Student(){
this->rollno=0;
strcpy(this->name,"not given");
strcpy(this->addrese,"not given");
}

Student(int a,char*str,char*ptr){
this->rollno=a;
strcpy(this->name,str);
strcpy(this->addrese,ptr);
}

void grade(int a,int b,int c){
float grade=(a+b+c)/3.0;

if(grade<=100&&grade>=80){
cout<<"percenttag = "<<grade<<"%"<<endl;
cout<<"Grade = Excellent";
}
else if(grade>=65&&grade<80){
cout<<"percenttag = "<<grade<<"%"<<endl;
cout<<"Grade = Good";
}
else if(grade>=50&&grade<65){
cout<<"percenttag = "<<grade<<"%"<<endl;
cout<<"Grade = pass";
}
else{
cout<<"percenttag = "<<grade<<"%"<<endl;
cout<<"Grade = fail";
}
}
}

```

```
};
```

```
int main(){
```

```
    int rollno;
```

```
    char name[20];
```

```
    char address[30];
```

```
        int sub1,sub2,sub3;
```

```
    cout<<"Enter the roll no = ";
```

```
    cin>>rollno;
```

```
    cout<<"Enter the name = ";
```

```
    cin.ignore();
```

```
    cin.getline(name,30);
```

```
    cout<<"Enter the address = ";
```

```
    cin.getline(address,30);
```

```
    cout<<"Enter the 3 sub marks = ";
```

```
    cin>>sub1;
```

```
    cin>>sub2;
```

```
    cin>>sub3;
```

```
    Student S(rollno,name,address);
```

```
    S.display();
```

```
    S.grade(sub1,sub2,sub3);
```

```
}
```

