

Program with a Class for Student

```
#include<iostream>
```

```
using namespace std;
```

```
class Student
```

```
{
```

```
private:
```

```
    int roll;
```

```
    string name;
```

```
    int mathMarks;
```

```
    int phyMarks;
```

```
    int chemMarks;
```

```
public:
```

```
    Student(int r,string n,int m,int p,int c)
```

```
{
```

```
        roll=r;
```

```
        name=n;
```

```
        mathMarks=m;
```

```
        phyMarks=p;
```

```
        chemMarks=c;
```

```
}
```

```
    int total()
```

```
{
```

```
        return mathMarks+phyMarks+chemMarks;
```

```
}
```

```
    char grade()
```

```
{
```

```
        float average=total()/3;
```

```
        if(average > 60)
```

```
            return 'A';
```

```
        else if(average>=40 && average<60)
```

```
            return 'B';
```

```
        else
```

```
            return 'C';
```

```
    }

};

int main()
{
    int roll;
    string name;
    int m,p,c;
    cout<<"Enter Roll number of a Student: ";
    cin>>roll;
    cout<<"Enter Name of a Student:";
    cin>>name;
    cout<<"Enter marks in 3 subjects";
    cin>>m>>p>>c;
    Student s(roll,name,m,p,c);
    cout<<"Total Marks:"<<s.total()<<endl;
    cout<<"Grade of Student:"<<s.grade()<<endl;
}
```