

Solution Code



```
/* C++ Program display Student Marksheet using Multiple inheritance
```

```
#include<iostream>
```

```
#include<stdio.h>
```

```
using namespace std;
```

```
class student
```

```
{
```

```
    int roll;
```

```
    char name[25];
```

```
    char add [25];
```

```
    char city[25];
```

```
    public:
```

```
    student(){
```

```
        cout<<" welcome in the student information system "<<endl;
```

```
    }
```

```
    void getdata(){
```

```
        cout<<"\n enter the student roll no. ";
```

```
        cin>>roll;
```

```
        cout<<"\n enter the student name ";
```

```
        cin>>name;
```

```
        cout<<"\n enter ther student address ";
```

```
        cin>>add;
```

```
        cout<<"\n enter the student city ";
```

```
        cin>>city;
```

```
    }
```

```
    void putdata() {
```

```
        cout<<"\n the student roll no: "<<roll;
```

```
        cout<<"\n the student name: "<<name;
```

```
        cout<<"\n the student coty: "<<city;
```

```
    }
```

```
};
```

Solution Code



```
class marks: public student          ç
{
    int sub1;
    int sub2;
    int sub3;
    int per;
    public:

void input()
{
    getdata();
    cout<<"\n enter the marks1: ";
    cin>>sub1;
    cout<<"\n enter the marks2: ";
    cin>>sub2;
    cout<<"\n enter the marks3: ";
    cin>>sub3;
}
void output()
{
    putdata();
    cout<<"\n marks1: "<<sub1;
    cout<<"\n marks2: "<<sub2;
    cout<<"\n marks3: "<<sub3<<"\n";
}
void calculate ()
{
    per= (sub1+sub2+sub3)/3;
    cout<<"\n total percentage :: "<<per<<"\n";
}
};
```

Solution Code



```
int main()
{
    marks m1;
    int ch;
    int count=0;
    do
    {
        cout<<"\n1.input data";
        cout<<"\n2.output data";
        cout<<"\n3.Calculate percentage";
        cout<<"\n4.exit\n";
        cout<<"\nEnter the choice :: ";
        cin>>ch;
        switch (ch)
        {
        case 1:
            m1.input();
            count++;
            break;

        case 2:
            m1.output();
            break;

        case 3:
            m1.calculate();
            break;
        }
    } while (ch!=4);
}
```