

CODE:

```
#include<iostream>

using namespace std;

class Marks{

    public:

    int i,n;

    string u;

    Marks(){

        cout<<"The total numbers of students are:"<<endl;

        cin>>n;

    }

};

class Physics : public Marks{

    public:

    int m;

    Physics(){

        for(i=1;i<=n;i++){

            cout<<"The name of student "<<i<<" is:"<<endl;

            cin>>u;

            cout<<"Roll number is:"<<i<<endl;

            cout<<"Marks in Physics:"<<endl;

            cin>>m;

        }

    }

};

class Chemistry : public Marks{

    public:

    int m;
```

```

Chemistry(){
    for(i=1;i<=n;i++){
        cout<<"The name of student "<<i<<" is:"<<endl;
        cin>>u;
        cout<<"Roll number is:"<<i<<endl;
        cout<<"Marks in chemistry:"<<endl;
        cin>>m;
    }
}

};

class Maths : public Marks{
    public:
    int m;
    Maths(){
        for(i=1;i<=n;i++){
            cout<<"The name of student "<<i<<" is:"<<endl;
            cin>>u;
            cout<<"Roll number is:"<<i<<endl;
            cout<<"Marks in Maths:"<<endl;
            cin>>m;
        }
    }
};

int main(){
    Physics d1;
    Chemistry d2;
    Maths d3;
    return 0;
}

```

}

OUTPUT:

The total numbers of students are:

3

The name of student 1 is:

Yash

Roll number is:1

Marks in Physics:

80

The name of student 2 is:

Raj

Roll number is:2

Marks in Physics:

75

The name of student 3 is:

Rahul

Roll number is:3

Marks in Physics:

67

The total numbers of students are:

2

The name of student 1 is:

Yash

Roll number is:1

Marks in chemistry:

78

The name of student 2 is:

Raj

Roll number is:2

Marks in chemistry:

89

The total numbers of students are:

2

The name of student 1 is:

Yash

Roll number is:1

Marks in Maths:

94

The name of student 2 is:

Rahul

Roll number is:2

Marks in Maths:

81

[Program finished]