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//Program to understand inheritance concept
#include <iostream>
using namespace std;
class Person{ //base class
    string name;
    int age;
public:
    void getPerson(){
        cout<<"Enter Name:";
        cin>>name;
        cout<<"Enter Age:";
        cin>>age;
    }
    void showPerson(){
        cout<<"Name:"<<name<<endl;
        cout<<"Age:"<<age<<endl;
    }
};
class Employee : public Person{ //derived class
    string designation;
    double salary;
public:
    void getEmployee(){
        cout<<"Enter Designation:";
        cin>>designation;
        cout<<"Enter Salary:";
        cin>>salary;
    }
    void showEmployee(){
        cout<<"Designation:"<<designation<<endl;
        cout<<"Salary:"<<salary<<endl;
    }
};
class Student : public Person{ //another derived class
    int rollNo;
    string college;
public:
    void getStudent(){
        cout<<"Enter Roll No.:";
        cin>>rollNo;
        cout<<"Enter College Name:";
        cin>>college;
    }
    void showStudent(){
        cout<<"Roll No.:"<<rollNo<<endl;
        cout<<"College:"<<college<<endl;
    }
};
int main()
{
    Employee e;
    e.getPerson();
    e.getEmployee();
    cout<<"Employee Details"<<endl;
    e.showPerson();
    e.showEmployee();
}

```



```
Student s;  
s.getPerson();  
s.getStudent();  
cout<<"Student Details"<<endl;  
s.showPerson();  
s.showStudent();  
return 0;  
}
```

