Create a class Person and two derived classes Employee, and Student, inherited from class Person. Now create a class Manager which is derived from two base classes Employee and Student. Show the use of the virtual base class.

```cpp
#include <iostream>
#include <cstring>
using namespace std;
class person
{
 private:
  string name;
 public:
  person(){}
  person(string n)
  {
    name = n;
  }
  string getname()
  {
    return name;
  }
};
class employee: virtual public person
{
 private:
  int salary;
 public:
  employee(string n, int s):person(n),salary(s){};
  int getsalary()
  {
    return salary;
  }
};
class student: virtual public person
{
 private:
  string major;
 public:
  student(string n, string m):person(n),major(m){};
  string getmajor()
```

```cpp
    {
      return major;
    }
};
class manager:public employee, public student
{
 private:
 public:
  manager(string n, string m, int s): employee(n,s), student(n,m), person(n)
  {
  };
};
int main()
{
  manager demo("Acd Efgh","BCT",50000);
  cout << "Name: " << demo.getname() << endl;
  cout << "Major: " << demo.getmajor() << endl;
  cout << "Salary: " << demo.getsalary() << endl;
  return 0;
}

#include<iostream>//or
#include<conio.h>
using namespace std;
class Person
{
    int age;
public:
    void person_getdata()
    {
      cout<<"Enter person's age:";
      cin>>age;
    }
    void person_disp()
    {
      cout<<"\nAge="<<age<<endl;
    }
};
class Employee:virtual public Person
{
```

```cpp
    int emp_id;
    public:
    void employee_getdata()
    {
        cout<<endl<<"Enter employee id:";
        cin>>emp_id;
    }
    void employee_disp()
    {
        cout<<"\nEmployee id="<<emp_id<<endl;
    }
};
class Student:virtual public Person
{
    int roll_no;
public:
    void student_getdata()
    {
        cout<<endl<<"Enter student's roll number:";
        cin>>roll_no;
    }
    void student_disp()
    {
        cout<<"\nRoll number="<<roll_no<<endl;
    }
};
class Manager:public Student,public Employee
{
    string company_name;
public:
    void manager_getdata()
    {
        cout<<endl<<"Enter company name:";
        cin>>company_name;
    }
    void manager_disp()
    {
        cout<<"\nCompany name="<<company_name<<endl;
    }
```

```cpp
};
int main()
{
    Manager mobj;
    mobj.person_getdata();
    mobj.employee_getdata();
    mobj.student_getdata();
    mobj.manager_getdata();
    system("cls");
    mobj.person_disp();
    mobj.employee_disp();
    mobj.student_disp();
    mobj.manager_disp();
    return 0;
}
```