/\*Program that shows a Person can be a Customer or an Employee. (Hierarchical Inheritance) \*/

#include<iostream.h>

#include<conio.h>

#include<stdio.h>

class Person

{

private:

intPcode;

charPname[25];

charPaddress[30];

public:

voidPerson\_data();

voidPerson\_display();

};

class Employee: public Person

{

double Salary;

public:

voidInput\_salary();

voidPrint\_salary();

};

class Customer : public Person

{

double Amount;

public:

voidRead\_cust();

voidShow\_cust();

};

void Person::Person\_data()

{

cout<<"Enter code:";

cin>>Pcode;

cout<<"Enter name:";

gets(Pname);

cout<<"Enter address:";

gets(Paddress);

}

void Person::Person\_display()

{

cout<<"\nCode:"<<Pcode;

cout<<"\nName:"<<Pname;

cout<<"\nAddress:"<<Paddress;

}

void Employee::Input\_salary()

{

cout<<"\nEnter information for employee:\n";

Person\_data();

cout<<"Enter salary:";

cin>>Salary;

}

void Employee::Print\_salary(void)

{

Person\_display();

cout<<"\nSalary:"<<Salary;

}

void Customer::Read\_cust(void)

{

cout<<"\nEnter information for customer:\n";

Person\_data();

cout<<"Enter shopping amount:";

cin>>Amount;

}

void Customer::Show\_cust(void)

{

Person\_display();

cout<<"\nCustomer shopping amount:"<<Amount;

}

void main()

{

clrscr();

Employee Emp;

Customer Cust;

Emp.Input\_salary();

Cust.Read\_cust();

cout<<"\nHere is the employee information:\n";

for(inti=1; i<=32; i++)

cout<<"=";

Emp.Print\_salary();

cout<<"\nHere is the customer information:\n";

for(i=1; i<=32; i++)

cout<<"=";

Cust.Show\_cust();

}

**OUTPUT**



