**SYCM-I** **Roll No:**76

**Date of Performance** **:** 13/10/2022

**Practical no:** 11.2

**Title :** Program to implement single inheritance

#include<iostream>

using namespace std;

class Employee

{

private:

int emp\_no;

char name[25];

char emp\_dest[25];

public:

void get\_emp(void)

{

cout<<"Enter Emp no: ";

cin>>emp\_no;

fflush (stdin);

cout<<"Enter name: ";

gets(name);

fflush (stdin);

cout<<"Enter emp destignation:";

gets(emp\_dest);

}

void put\_emp(void)

{

cout<<"Emp no: "<<emp\_no;

cout<<"\nName: "<<name;

cout<<"\nEmp emp destignation:"<<emp\_dest;

}

};

class Salary:public Employee

{

//Data member

private:

float basic;

float DA;

float HRA;

float Gross\_sal;

//member functions

public:

void get\_sal(void)

{

float D,H;

cout<<"Enter basic salary: ";

cin>>basic;

cout<<"Enter %DA: ";

cin>>D;

DA=(D\*basic)/100;

cout<<"Enter %HRA: ";

cin>>H;

HRA=(H\*basic)/100;

Gross\_sal=basic+DA+HRA;

}

void put\_sal(void)

{

cout<<"\nBasic Salary: "<<basic;

cout<<"\nDA: "<<DA;

cout<<"\nHRA: "<<HRA;

cout<<"\nGross\_sal: "<<Gross\_sal;

}

}; //End of class

int main()

{

Salary s1;//create object

cout<<"Enter Salary details of employee "<<endl<<endl;

s1.get\_emp();//member function call

s1.get\_sal();

cout<<"\nSalary Details of employee : "<<endl<<endl;

s1.put\_emp();//member function call

s1.put\_sal();

return 0;

}

**Output 1:**

Enter Salary details of employee

Enter Emp no: 101

Enter name: Kiran Gave

Enter emp destignation:Admin

Enter basic salary: 65000

Enter %DA: 74.5

Enter %HRA: 30

Salary Details of employee :

Emp no: 101

Name: Kiran Gave

Emp emp destignation:Admin

Basic Salary: 65000

DA: 48425

HRA: 19500

Gross\_sal: 132925

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**Output 2:**

Enter Salary details of employee

Enter Emp no: 55

Enter name: Raju Avhad

Enter emp destignation:Clerk

Enter basic salary: 50000

Enter %DA: 74.5

Enter %HRA: 30

Salary Details of employee :

Emp no: 55

Name: Raju Avhad

Emp emp destignation:Clerk

Basic Salary: 50000

DA: 37250

HRA: 15000

Gross\_sal: 102250

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