**9. Create a class person having data name and age.Inherit two different classes Student and Employee from class Person .Student have data members id and marks of n number of subjects. Employee have employee id and salary. Write necessary constructors and member functions.**

**Code:**

#include<iostream>

using namespace std;

class Person{

private:

int age;

char name[20];

public:

void inputName(){

cout<<"\nEnter Person Name: ";

cin>>name;

}

void inputAge(){

cout<<"\nEnter Age of Person: ";

cin>>age;

}

void display(){

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

}

};

class Student:public Person{

private:

int id;

int subject\_number;

int mark[15];

public:

Student(){

id=subject\_number=0;

}

void inputName(){

cout<<"\nFor Student: ";

Person::inputName();

}

void inputAge(){

cout<<"\nFor Student: ";

Person::inputAge();

}

void inputId(){

cout<<"\nEnter ID of Student: ";

cin>>id;

}

void inputSubject(){

cout<<"\nHow Many Subject/Subjects You Have: ";

cin>>subject\_number;

}

void inputMark(){

cout<<"\nEnter Subject Marks: \n";

for(int i=0;i<subject\_number;i++)

{

cin>>mark[i];

}

}

void display(){

Person::display();

cout<<"\nStudent ID: "<<id;

cout<<"\nStudent Marks: ";

for(int i=0;i<subject\_number;i++){

cout<<" "<<mark[i];

}

}

};

class Employee:public Person{

private:

int employee\_id;

int salary;

public:

Employee(){

employee\_id=salary=0;

}

void inputSalary(){

cout<<"\nEnter Salary of Employer: ";

cin>>salary;

}

void inputEmployeeId(){

cout<<"\nEnter Employer ID: ";

cin>>employee\_id;

}

void inputName(){

cout<<"\nFor Employer: ";

Person::inputName();

}

void inputAge(){

cout<<"\nFor Employer: ";

Person::inputAge();

}

void display(){

Person::display();

cout<<"\nEmployee ID: "<<employee\_id<<"\nSalary of employer: "<<salary;

}

};

class WorkingStudent:public Student,public Employee

{

private:

int year;

char course[20];

public:

void inputExperience(){

cout<<"\nHOW MANY YEAR YOU HAVE EXPERIENCE: ";

cin>>year;

}

void inputCourseName(){

cout<<"\nENTER COURSE NAME: ";

cin>>course;

}

void display(){

Employee::display();

Student::display();

}

};

int main()

{

Student stu1;

stu1.inputName();

stu1.inputAge();

stu1.inputId();

stu1.inputSubject();

stu1.inputMark();

stu1.display();

Employee emp1;

emp1.inputName();

emp1.inputAge();

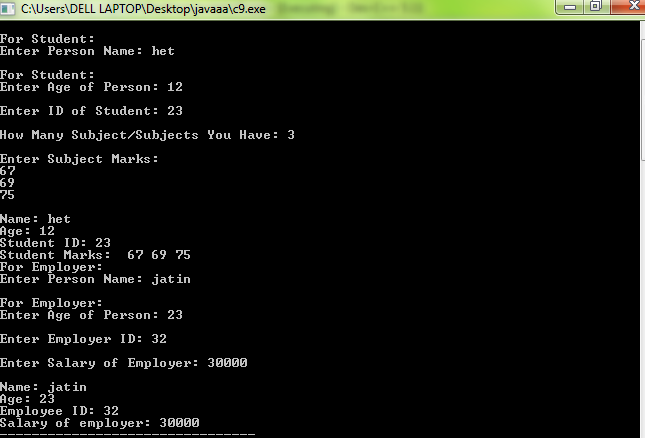
emp1.inputEmployeeId();

emp1.inputSalary();

emp1.display();

}

**Output:**

****