**PROGRAMS :**Create two classes employee and payscale in an external namespace stored in a user defined header file ‘payslip.h’. Assume necessary data members and use setter and getter function to initialize and retrieve data member values. Use an array of object to display the payslip of each employee.

**//21co24 ETHAN MENEZES**

**//payslip.h**

**#include<iostream>**

**using namespace std;**

**namespace payslip**

**{**

**class employee**

**{**

**string name;**

**int id;**

**public:**

**void setNameAndId(string n,int id){**

**name=n;**

**this->id=id;**

**}**

**string getName(){return name;}**

**int getId(){return id;}**

**};**

**class payscale**

**{**

**int hra,ta,da ,basicPay,deduction;**

**float gradePay;**

**public:**

**void setPayscale(int hra,int ta,int da,int basicPay,int deduction){**

**this->hra=hra;**

**this->ta=ta;**

**this->da=da;**

**this->basicPay=basicPay;**

**this->deduction=deduction;**

**}**

**void calcGradePay(){**

**gradePay=basicPay\*2.57+hra+ta+da-deduction;**

**}**

**int getDeduc(){return deduction;}**

**int getHra(){return hra;}**

**int getTa(){return ta;}**

**int getDa(){return da;}**

**int getBasicPay(){return basicPay;}**

**float getGradePay(){return gradePay;}**

**};**

**}**

**//program7.cpp**

**#include<iostream>**

**using namespace std;**

**namespace payslip**

**{**

**class employee**

**{**

**string name;**

**int id;**

**public:**

**void setNameAndId(string n,int id){**

**name=n;**

**this->id=id;**

**}**

**string getName(){return name;}**

**int getId(){return id;}**

**};**

**class payscale**

**{**

**int hra,ta,da ,basicPay,deduction;**

**float gradePay;**

**public:**

**void setPayscale(int hra,int ta,int da,int basicPay,int deduction){**

**this->hra=hra;**

**this->ta=ta;**

**this->da=da;**

**this->basicPay=basicPay;**

**this->deduction=deduction;**

**}**

**void calcGradePay(){**

**gradePay=basicPay\*2.57+hra+ta+da-deduction;**

**}**

**int getDeduc(){return deduction;}**

**int getHra(){return hra;}**

**int getTa(){return ta;}**

**int getDa(){return da;}**

**int getBasicPay(){return basicPay;}**

**float getGradePay(){return gradePay;}**

**};**

**}**

Input & Output:

