**/\*===================================================================NAME=Mauli Pralhad Bondare**

**ROLL NO=68**

**Assignment no = 3 \*/**

**//Problem Statement:**

**/\***

**Design and develop inheritance for a given case study, identify**

**objects and relationships and implement inheritance wherever applicable. Employee class has**

**Emp\_name, Emp\_id, Address, Mail\_id, and Mobile\_no as members. Inherit the classes:**

**Programmer, Team Lead, Assistant Project Manager and Project Manager from employee class. Add Basic Pay (BP) as the member of all the inherited classes with 97% of BP as DA, 10 % of**

**BP as HRA, 12% of BP as PF, 0.1% of BP for staff club fund. Generate pay slips for the**

**employees with their gross and net salary.**

**==================================================================\*/**

import java.util.\*;

class Employee

{

int empid;

long mobile;

String name, address, mailid;

double salary,bp,da,hra,pf,club,net,gross,basic;

Scanner get = new Scanner(System.in);

void getdata()

{

System.out.println("Enter Name of the Employee");

name = get.nextLine();

System.out.println("Enter Mail id");

mailid = get.nextLine();

System.out.println("Enter Address of the Employee:");

address = get.nextLine();

System.out.println("Enter employee id ");

empid = get.nextInt();

System.out.println("Enter Mobile Number");

mobile = get.nextLong();

}

void display()

{

System.out.println("Employee Name: "+name);

System.out.println("Employee id : "+empid);

System.out.println("Mail id : "+mailid);

System.out.println("Address: "+address);

System.out.println("Mobile Number: "+mobile);

}

void salary()

{

da=(0.97\*basic);

hra=(0.10\*basic);

pf=(0.12\*basic);

club=(0.1\*basic);

gross=(basic+da+hra);

net=(gross-pf-club);

System.out.println("GROSS PAY: Rs. "+gross);

System.out.println("NET PAY: Rs. "+net);

}

}

class Programmer extends Employee

{

Programmer (int sal){

basic=sal;

}

}

class TeamLead extends Employee{

TeamLead(int sal){

basic=sal;

}

}

class AsstProjManager extends Employee{

AsstProjManager(int sal){

basic=sal;

}

}

class ProjManager extends Employee{

ProjManager(int sal){

basic=sal;

}

}

class Mauli3

{

public static void main(String args[])

{

int choice,cont;

do

{

System.out.println("PAYROLL");

System.out.println(" 1.PROGRAMMER \n 2.Team Leader \n 3.ASSISTANT

PROJECT MANAGER \n 4.PROJECT MANAGER ");

Scanner c = new Scanner(System.in);

System.out.print("Enter Your Choice:");

choice=c.nextInt();

switch(choice)

{

case 1:

Programmer p=new Programmer(30000);

p.getdata();

p.display();

p.salary();

break;

case 2:

TeamLead T=new TeamLead(40000);

T.getdata();

T.display();

T.salary();

break;

case 3:

AsstProjManager A=new AsstProjManager(50000);

A.getdata();

A.display();

A.salary();

break;

case 4:

ProjManager M=new ProjManager(70000);

M.getdata();

M.display();

M.salary();

break;

}

System.out.print("Please enter 0 to quit and 1 to continue: ");

cont=c.nextInt();

}while(cont==1);

}

}

/\*Output:

PAYROLL

1.PROGRAMMER

2.Team Leader

3.ASSISTANT PROJECT MANAGER

4.PROJECT MANAGER

Enter Your Choice:1

Enter Name of the Employee

mauli

Enter Mail id

bondare123@gmail.com

Enter Address of the Employee:

Ap-jalna

Enter employee id

1010

Enter Mobile Number

8767419772

Employee Name: mauli

Employee id : 1010

Mail id : bondare123@gmail.com

Address: Ap-jalna

Mobile Number: 8767419772

GROSS PAY: Rs. 62100.0

NET PAY: Rs. 55500.0

Please enter 0 to quit and 1 to continue: 1

PAYROLL

1.PROGRAMMER

2.Team Leader

3.ASSISTANT PROJECT MANAGER

4.PROJECT MANAGER

Enter Your Choice:2

Enter Name of the Employee

karan

Enter Mail id

karan123@gmail.com

Enter Address of the Employee:

Ap-nagar

Enter employee id

2020

Enter Mobile Number

9067303987

Employee Name: karan

Employee id : 2020

Mail id : karan123@gmail.com

Address: Ap-nagar

Mobile Number: 9067303987

GROSS PAY: Rs. 82800.0

NET PAY: Rs. 74000.0

Please enter 0 to quit and 1 to continue: 1

PAYROLL

1.PROGRAMMER

2.Team Leader

3.ASSISTANT PROJECT MANAGER

4.PROJECT MANAGER

Enter Your Choice:3

Enter Name of the Employee

Sairaj

Enter Mail id

sai123@gmail.com

Enter Address of the Employee:

AP-mumbai

Enter employee id

3030

Enter Mobile Number

8764527361

Employee Name: Sairaj

Employee id : 3030

Mail id : sai123@gmail.com

Address: AP-mumbai

Mobile Number: 8764527361

GROSS PAY: Rs. 103500.0

NET PAY: Rs. 92500.0

Please enter 0 to quit and 1 to continue: 1

PAYROLL

1.PROGRAMMER

2.Team Leader

3.ASSISTANT PROJECT MANAGER

4.PROJECT MANAGER

Enter Your Choice:4

Enter Name of the Employee

Abhishek

Enter Mail id

abhi123@gmail.com

Enter Address of the Employee:

Ap-Anterwali Tembhi

Enter employee id

4040

Enter Mobile Number

9552587887

Employee Name: Abhishek

Employee id : 4040

Mail id : abhi123@gmail.com

Address: Ap-Anterwali Tembhi

Mobile Number: 9552587887

GROSS PAY: Rs. 144900.0

NET PAY: Rs. 129500.0

Please enter 0 to quit and 1 to continue: 0