

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