import java.util.\*;

class Employee {

String empName, empId, address, mailId, mobileNo;

double basicPay;

Scanner sc = new Scanner(System.in);

void readDetails() {

System.out.println("Enter employee name:");

empName = sc.nextLine();

System.out.println("Enter employee Id:");

empId = sc.nextLine();

System.out.println("Enter Address:");

address = sc.nextLine();

System.out.println("Enter mailId:");

mailId = sc.nextLine();

System.out.println("Enter mobile number:");

mobileNo = sc.nextLine();

System.out.println("Enter Basic pay:");

basicPay = sc.nextDouble();

}

void displayDetails() {

System.out.println("\n---Employee Details---");

System.out.println("Name: " + empName);

System.out.println("ID: " + empId);

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

System.out.println("Mail ID: " + mailId);

System.out.println("Mobile No: " + mobileNo);

System.out.println("Basic Pay: " + basicPay);

}

}

class Programmer extends Employee {

void generatePaySlip() {

double da = basicPay \* 97 / 100;

double hra = basicPay \* 10 / 100;

double pf = basicPay \* 12 / 100;

double staffClub = basicPay \* 1 / 100;

double gross = basicPay + da + hra;

double net = gross - (pf + staffClub);

displayDetails();

System.out.println("Designation: Programmer");

System.out.println("DA: " + da);

System.out.println("HRA: " + hra);

System.out.println("PF: " + pf);

System.out.println("Staff Club: " + staffClub);

System.out.println("Gross Pay: " + gross);

System.out.println("Net Pay: " + net);

}

}

class AssistantProfessor extends Employee {

void generatePaySlip() {

double da = basicPay \* 110 / 100;

double hra = basicPay \* 20 / 100;

double pf = basicPay \* 12 / 100;

double staffClub = basicPay \* 5 / 100;

double gross = basicPay + da + hra;

double net = gross - (pf + staffClub);

displayDetails();

System.out.println("Designation: Assistant Professor");

System.out.println("DA: " + da);

System.out.println("HRA: " + hra);

System.out.println("PF: " + pf);

System.out.println("Staff Club: " + staffClub);

System.out.println("Gross Pay: " + gross);

System.out.println("Net Pay: " + net);

}

}

class AssociateProfessor extends Employee {

void generatePaySlip() {

double da = basicPay \* 130 / 100;

double hra = basicPay \* 30 / 100;

double pf = basicPay \* 12 / 100;

double staffClub = basicPay \* 10 / 100;

double gross = basicPay + da + hra;

double net = gross - (pf + staffClub);

displayDetails();

System.out.println("Designation: Associate Professor");

System.out.println("DA: " + da);

System.out.println("HRA: " + hra);

System.out.println("PF: " + pf);

System.out.println("Staff Club: " + staffClub);

System.out.println("Gross Pay: " + gross);

System.out.println("Net Pay: " + net);

}

}

class Professor extends Employee {

void generatePaySlip() {

double da = basicPay \* 140 / 100;

double hra = basicPay \* 40 / 100;

double pf = basicPay \* 12 / 100;

double staffClub = basicPay \* 15 / 100;

double gross = basicPay + da + hra;

double net = gross - (pf + staffClub);

displayDetails();

System.out.println("Designation: Professor");

System.out.println("DA: " + da);

System.out.println("HRA: " + hra);

System.out.println("PF: " + pf);

System.out.println("Staff Club: " + staffClub);

System.out.println("Gross Pay: " + gross);

System.out.println("Net Pay: " + net);

}

}

public class EmployeePaySlipApp {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println("Enter Employee Designation:");

System.out.println("1. Programmer");

System.out.println("2. Assistant Professor");

System.out.println("3. Associate Professor");

System.out.println("4. Professor");

int choice = sc.nextInt();

sc.nextLine(); // Consume the newline

switch (choice) {

case 1:

Programmer p = new Programmer();

p.readDetails();

p.generatePaySlip();

break;

case 2:

AssistantProfessor ap = new AssistantProfessor();

ap.readDetails();

ap.generatePaySlip();

break;

case 3:

AssociateProfessor asp = new AssociateProfessor();

asp.readDetails();

asp.generatePaySlip();

break;

case 4:

Professor ps = new Professor();

ps.readDetails();

ps.generatePaySlip();

break;

default:

System.out.println("Invalid choice!");

}

sc.close();

}

}

Output:

Enter Employee Designation:

1. Programmer

2. Assistant Professor

3. Associate Professor

4. Professor

1

Enter employee name:

rehan

Enter employee Id:

234009

Enter Address:

main road

Enter mailId:

rehan@gmail.com

Enter mobile number:

965764357

Enter Basic pay:

30000

---Employee Details---

Name: rehan

ID: 234009

Address: main road

Mail ID: rehan@gmail.com

Mobile No: 965764357

Basic Pay: 30000.0

Designation: Programmer

DA: 29100.0

HRA: 3000.0

PF: 3600.0

Staff Club: 300.0

Gross Pay: 62100.0

Net Pay: 58200.0