

Assignment No:-3

```
class Employee
{
    private String Emp_name;
    private String Emp_id;
    private String Address;
    private String Mail_id;
    private String Mobile_no;

    public Employee(String Emp_name, String Emp_id, String Address, String Mail_id, String
Mobile_no)
    {
        this. Emp_name = Emp_name;
        this. Emp_id = Emp_id;
        this. Address = Address;
        this. Mail_id = Mail_id;
        this.Mobile_no = Mobile_no;
    }

    // Display Employee details
    public void displayEmployeeDetails()
    {
        System.out.println("Employee ID: " + Emp_id);
        System.out.println("Name: " + Emp_name);
        System.out.println("Address: " + Address);
        System.out.println("Email: " + Mail_id);
        System.out.println("Mobile: " + Mobile_no);
    }
}
```

```
class Programmer extends Employee
```

```
{
```

```
    private double basicPay;
```

```
    public Programmer(String Emp_name, String Emp_id, String Address, String Mail_id, String  
    Mobile_no, double basicPay)
```

```
    {
```

```
        super(Emp_name, Emp_id, Address, Mail_id, Mobile_no);
```

```
        this.basicPay = basicPay;
```

```
    }
```

```
    public void generatePaySlip()
```

```
    {
```

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

```
        double da = 0.97 * basicPay;
```

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

```
        double hra = 0.10 * basicPay;
```

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

```
        double pf = 0.12 * basicPay;
```

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

```
        double staffClubFund = 0.001 * basicPay;
```

```
        System.out.println("Staff Club Fund: " + staffClubFund);
```

```
        double grossSalary = basicPay + da + hra;
```

```
        System.out.println("Gross Salary: " + grossSalary);
```

```
        double netSalary = grossSalary - pf - staffClubFund;
```

```
        System.out.println("Net Salary: " + netSalary);
```

```
    }
```

```
}
```

```

class TeamLead extends Employee
{
    private double basicPay;

    public TeamLead(String Emp_name, String Emp_id, String Address, String Mail_id, String
    Mobile_no, double basicPay)
    {
        super(Emp_name, Emp_id, Address, Mail_id, Mobile_no);
        this.basicPay = basicPay;
    }

    public void generatePaySlip()
    {
        System.out.println("Basic Pay: " + basicPay);
        double da = 0.97 * basicPay;
        System.out.println("DA: " + da);
        double hra = 0.10 * basicPay;
        System.out.println("HRA: " + hra);
        double pf = 0.12 * basicPay;
        System.out.println("PF: " + pf);
        double staffClubFund = 0.001 * basicPay;
        System.out.println("Staff Club Fund: " + staffClubFund);
        double grossSalary = basicPay + da + hra;
        System.out.println("Gross Salary: " + grossSalary);
        double netSalary = grossSalary - pf - staffClubFund;
        System.out.println("Net Salary: " + netSalary);

    }
}

```

```

class AssistantProjectManager extends Employee
{
    private double basicPay;

    public AssistantProjectManager(String Emp_name, String Emp_id, String Address, String
Mail_id, String Mobile_no, double basicPay)
    {
        super(Emp_name, Emp_id, Address, Mail_id, Mobile_no);
        this.basicPay = basicPay;
    }

    public void generatePaySlip()
    {
        System.out.println("Basic Pay: " + basicPay);
        double da = 0.97 * basicPay;
        System.out.println("DA: " + da);
        double hra = 0.10 * basicPay;
        System.out.println("HRA: " + hra);
        double pf = 0.12 * basicPay;
        System.out.println("PF: " + pf);
        double staffClubFund = 0.001 * basicPay;
        System.out.println("Staff Club Fund: " + staffClubFund);
        double grossSalary = basicPay + da + hra;
        System.out.println("Gross Salary: " + grossSalary);
        double netSalary = grossSalary - pf - staffClubFund;
        System.out.println("Net Salary: " + netSalary);

    }
}

```

```
class ProjectManager extends Employee
{
    private double basicPay;

    public ProjectManager(String Emp_name, String Emp_id, String Address, String Mail_id,
String Mobile_no, double basicPay)
    {
        super(Emp_name, Emp_id, Address, Mail_id, Mobile_no);
        this.basicPay = basicPay;
    }

    public void generatePaySlip()
    {
        System.out.println("Basic Pay: " + basicPay);
        double da = 0.97 * basicPay;
        System.out.println("DA: " + da);
        double hra = 0.10 * basicPay;
        System.out.println("HRA: " + hra);
        double pf = 0.12 * basicPay;
        System.out.println("PF: " + pf);
        double staffClubFund = 0.001 * basicPay;
        System.out.println("Staff Club Fund: " + staffClubFund);
        double grossSalary = basicPay + da + hra;
        System.out.println("Gross Salary: " + grossSalary);
        double netSalary = grossSalary - pf - staffClubFund;
        System.out.println("Net Salary: " + netSalary);
    }
}
```

```
public class Main {  
    public static void main(String[] args)  
    {  
        Programmer programmer = new Programmer("Amit", "1001", "Pune",  
"amit@mail.com", "1234567890", 50000);  
  
        TeamLead teamLead = new TeamLead("Puja", "1002", "Sangamner", "puja@mail.com",  
"0987654321", 70000);  
  
        AssistantProjectManager apm = new AssistantProjectManager("Anay", "1003",  
"Mumbai", "anay@mail.com", "1112223333", 90000);  
  
        ProjectManager pm = new ProjectManager("Bob", "1004", "Nashik", "bob@mail.com",  
"4445556666", 120000);  
  
        System.out.println("****Information of Programmer****");  
        programmer.displayEmployeeDetails();  
        programmer.generatePaySlip();  
        System.out.println();  
  
        System.out.println("****Information of Team Lead****");  
        teamLead.displayEmployeeDetails();  
        teamLead.generatePaySlip();  
        System.out.println();  
  
        System.out.println("****Information of Assistant Project Manager****");  
        apm.displayEmployeeDetails();  
        apm.generatePaySlip();  
        System.out.println();  
  
        System.out.println("****Information of Project Manager****");  
        pm.displayEmployeeDetails();  
        pm.generatePaySlip();  
    }  
}
```

Output

******Information of Programmer******

Employee ID: 1001

Name: Amit

Address: Pune

Email: amit@mail.com

Mobile: 1234567890

Basic Pay: 50000.0

DA: 48500.0

HRA: 5000.0

PF: 6000.0

Staff Club Fund: 50.0

Gross Salary: 103500.0

Net Salary: 97450.0

******Information of Team Lead******

Employee ID: 1002

Name: Puja

Address: Sangamner

Email: puja@mail.com

Mobile: 0987654321

Basic Pay: 70000.0

DA: 67900.0

HRA: 7000.0

PF: 8400.0

Staff Club Fund: 70.0

Gross Salary: 144900.0

Net Salary: 136430.0

******Information of Assistant Project Manager******

Employee ID: 1003

Name: Anay

Address: Mumbai

Email: anay@mail.com

Mobile: 1112223333

Basic Pay: 90000.0

DA: 87300.0

HRA: 9000.0

PF: 10800.0

Staff Club Fund: 90.0

Gross Salary: 186300.0

Net Salary: 175410.0

******Information of Project Manager******

Employee ID: 1004

Name: Bob

Address: Nashik

Email: bob@mail.com

Mobile: 4445556666

Basic Pay: 120000.0

DA: 116400.0

HRA: 12000.0

PF: 14400.0

Staff Club Fund: 120.0

Gross Salary: 248400.0

Net Salary: 233880.0