

```
public class Employees
{
    private String rank;
    private int id;
    private String name;
    private double basic_salary;

    public Employees(String rank, int id, String name, double basic_salary)
    {
        this.rank = rank;
        this.id = id;
        this.name = name;
        this.basic_salary = basic_salary;
    }

    public String getRank()
    {
        return rank;
    }

    public void setRank(String rank)
    {
        this.rank = rank;
    }

    public int getId()
    {
        return id;
    }

    public void setId(int id)
```

```
{  
    this.id = id;  
}  
  
public double getBasicSalary()  
{  
    return basic_salary;  
}  
  
public void setBasicSalary(double basic_salary)  
{  
    if(basic_salary >= 30000)  
        this.basic_salary = basic_salary;  
    else  
        System.out.println("BASIC SALARY MUST BE AT LEAST 30000!");  
        this.basic_salary = 30000;  
}  
  
public double calculateTotalSalary()  
{  
    double total_salary = 0.0;  
    double HRA = (15/100) * basic_salary;  
    double MA = (10/100) * basic_salary;  
  
    if(rank.equals("Lecturer"))  
    {  
        double FYPA = (7/100) * basic_salary;  
        total_salary = basic_salary + HRA + MA + FYPA;  
    }  
    else if(rank.equals("Assistant Professor"))  
    {
```

```

        double PhDA = (10/100) * basic_salary;

        total_salary = basic_salary + HRA + MA + PhDA;
    }
    else if(rank.equals("Research Assistant"))
    {
        total_salary = basic_salary + HRA + MA;
    }

    return total_salary;
}

public void printEmployeeData()
{
    System.out.print("\n\n");
    System.out.println("RANK : " + rank);
    System.out.println("ID : " + id);
    System.out.println("NAME : " + name);
    System.out.println("BASIC SALARY : " + basic_salary);
    System.out.println("TOTAL SALARY : " + calculateTotalSalary());
    System.out.print("\n\n");
}
}

```

```
import java.util.Scanner;

public class EmployeesTest
{
    public static void main(String [] args)
    {
        String rank;
        int id;
        String name;
        double basic_salary;

        Scanner input = new Scanner(System.in);
        Scanner inputString = new Scanner(System.in);

        System.out.print("ENTER RANK OF EMPLOYEE:");
        rank = inputString.nextLine();

        System.out.print("ENTER ID:");
        id = input.nextInt();

        System.out.print("ENTER NAME:");
        name = inputString.nextLine();

        System.out.print("ENTER BASIC SALARY:");
        basic_salary = input.nextDouble();

        Employees e1 = new Employees(rank, id, name, basic_salary);

        e1.printEmployeeData();
    }
}
```

```
Select Administrator: Command Prompt

D:\BSSE\2ND SEM\OOP-LAB\LAB ASSIGNMENT 1>javac *.java

D:\BSSE\2ND SEM\OOP-LAB\LAB ASSIGNMENT 1>java EmployeesTest
ENTER RANK OF EMPLOYEE:Lecturer
ENTER ID:101
ENTER NAME:abc
ENTER BASIC SALARY:40000

RANK : Lecturer
ID : 101
NAME : abc
BASIC SALARY : 40000.0
TOTAL SALARY : 40000.0
```