

3. A class called Employee, which models an employee with an ID, name and salary, is designed as shown in the following class diagram. The method raiseSalary (percent) increases the salary by the given percentage. Develop the Employee class and suitable main method for demonstration.

Save Filename as as: EmployeeMain.java

Solution:-

```
import java.util.Scanner;

class Employee
{
    private int id;
    private String name;
    private double salary;

    public Employee (int id, String name, double salary)
    {
        this.id = id;
        this.name = name;
        this.salary = salary;
    }

    public int
    getId ()
    {
        return id;
    }

    public String
    getName ()
    {
        return name;
    }

    public double
    getSalary ()
    {
        return salary;
    }
}
```

```
}

public void
raiseSalary (double percent)
{
    salary += salary * percent / 100.0;
}

}

public class EmployeeMain
{
    public static void main (String[] args)
    {
        Scanner scanner = new Scanner (System.in);

        System.out.println ("Enter Employee ID:");
        int id = scanner.nextInt ();

        System.out.println ("Enter Employee Name:");
        scanner.nextLine () // Consume newline left-over
        String name = scanner.nextLine ();

        System.out.println ("Enter Employee Salary:");
        double salary = scanner.nextDouble ();

        Employee emp = new Employee (id, name, salary);

        System.out.println ("Employee ID: " + emp.getId ());
        System.out.println ("Employee Name: " + emp.getName ());
        System.out.println ("Employee Salary: " + emp.getSalary ());
        System.out.println ("Enter raise percentage:");

        double percent = scanner.nextDouble ();
        emp.raiseSalary (percent);

        System.out.println ("Employee Salary after raise: " +
            emp.getSalary ());

        scanner.close ();
    }
}
```

Compile As: javacEmployeeMain.java

Run As: java EmployeeMain

Output:

Enter Employee ID:

1

Enter Employee Name:

ABC

Enter Employee Salary:

20000

Employee ID: 1

Employee Name: ABC

Employee Salary: 20000.0

Enter raise percentage:

15

Employee Salary after raise: 23000.0