2020BTEIT00041

Java Programming

Assignment 2:

CODE:

```java
public class Employee {

    protected String firstName, lastName;
    protected double mSalary,ySalary;

    public Employee(){
        firstName= "Om";
        lastName ="Gharge";
        mSalary = 100000;
    }

    public void setF(String f){
        firstName=f;
    }
    public void setL(String l){
        lastName=l;
    }
    public void setS(double s){
        if (s<0)
            mSalary=0;
        else
            mSalary=s;
    }

    public void getF(){
        System.out.println(firstName);
    }
```

```java
    public void getL(){
        System.out.println(lastName);
    }

    public void getS(){
        System.out.println(mSalary);
    }

    public double yearly(){
        ySalary=mSalary*12;
        return ySalary;
    }

    public double raise(){
        ySalary=(ySalary+ySalary*0.15);
        return ySalary;
    }
}

class EmployeeTest extends Employee{

    public static void main(String[] a){
        Employee emp1=new Employee();
        Employee emp2=new Employee();
        Employee emp3=new Employee();
```

```java
    emp1.setF("Abhi");     emp1.setL("Shaikh");     emp1.setS(5000);
    emp2.setF("Ritesh");     emp2.setL("Deshmukh");     emp2.setS(-52000);
    //the third employee will get the default data in constructor

    System.out.println("First Employee have an neagative salary " );
    emp1.getS();              //for negative salary it will show 0.0
    emp1.mSalary=40000;     //set it to a acceptable value
    emp1.getS();

    System.out.println("\nYearly salaries of employees are");
    System.out.println(emp1.firstName+" "+emp1.yearly());
    System.out.println(emp2.firstName+" "+emp2.yearly());
    System.out.println(emp3.firstName+" "+emp3.yearly());

    emp1.raise();  emp2.raise();  emp3.raise();

    System.out.println("\nAfter 15% raise there yearly salaries are");
    System.out.println(emp1.firstName+" "+emp1.ySalary);
    System.out.println(emp2.firstName+" "+emp2.ySalary);
    System.out.println(emp3.firstName+" "+emp3.ySalary);
    }
}
```

Ln 53, Col 38   100%   Windows (CRLF)   UTF-8

OUTPUT:

```
C:\Users\omgha\OneDrive\Desktop>java EmployeeTest
First Employee have an neagative salary
5000.0
40000.0

Yearly salaries of employees are
Abhi 480000.0
Ritesh 0.0
Om 1200000.0

After 15% raise there yearly salaries are
Abhi 552000.0
Ritesh 0.0
Om 1380000.0
```