# **LAPORAN TUGAS PRAKTIKUM 7**

Resume ini Disusun Untuk Memenuhi Tugas Mata Kuliah PBO-P



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## PROGRAM STUDI D3 TEKNIK INFORMATIKA JURUSAN TEKNIK KOMPUTER DAN INFORMATIKA POLITEKNIK NEGERI BANDUNG 2021

Link Github: https://github.com/Rhezapanjii/PBO-PRAK-7.git

### Kasus 1

Commision.java

```
| public class Commission extends Hourly{
| double totalSales; | double commission(String ellame, String eAddress, String ePhone, String socSectUmber, double rate, double rateEmployee) {
| super(clame, paddress, pPhone, socSectUmber, rate); | commission(String ellame, socSectUmber, rate); | public void addSales(double TotalSales) {
| totalSales + TotalSales; | totalSales + TotalSales) {
| double pay() {
| double pay() {
| double pay() {
| double pay() {
| super payment; | commission(Rate + totalSales + super.pay(); | totalSales = 0; | return payment; | }
| public String tostring() {
| string result * super.tostring(); | result ** "\nCurrent Total Sales: " + totalSales; | }
| return result; | }
| }
| }
| **TotalSales ** (**TotalSales** (**To
```

Saya menambahkan bahwa commission harus extends dengan hourly.java lalu ditambahkan 2 insance variable

```
public class Commission extends Hourly{
   double totalSales;
   double commissionRate;
```

Lalu menambahkan 6 construcyor

Dan menambahkan variable penghitung total dari komisi

```
public void addSales(double TotalSales) {
    totalSales += TotalSales;
}

public double pay() {
    double payment = commissionRate + totalSales + super.pay();
    totalSales = 0;
    return payment;
}

public String toString() {
    String result = super.toString();
    result += "Incurrent Total Sales: " + totalSales;
    return result;
}
```

Lalu dihubungkan dengan dengan class staff juga manambahkan deklarasi dari arraynya dan menambahkan 2 objek commission

#### Hasil run Program:

```
Name : Sam
Address : 123 Main Line
Phone : 555-0469
Social Security Number: 123-45-6789
Pain: 2923.07
Name : Carla
Address : 456 Off Line
Phone : 555-0101
Social Security Number: 987-65-4321
Pain: 1246.15
Name : Woody
Address : 789 Off Rocker
Phone : 555-0000
Social Security Number: 010-20-3040
Pain: 1169.23
Name : Diane
Address : 678 Fifth Ave.
Phone : 555-0690
Social Security Number: 958-47-3625
Current hours: 40
Pain: 422.0
```

```
Name : Norm
Address : 987 Suds Blvd.
Phone : 555-8374
Thanks!
Name : Cliff
Address : 321 Duds Lane
Phone : 555-7282
Thanks!
Name : Reza
Address : Cimahi
Phone : 214-421
Social Security Number: 012214-421
Current hours: 35
Current Total Sales: 400.0
Pain: 618.95
Name : Moan
Address : cimindi
Phone : 3321-421
Social Security Number: 001-221-332
Current hours: 40
Current Total Sales: 950.0
Pain: 1340.15
```

#### Kasus 2

Pada kasus ini saya membentuk class dengan penggunaan inherit untuk membentuk kelasnya, diiantaranya seperti class Cylinder.java, Paint.java, PaintThings.java, Rectangle.java Shape dan Sphere.java

1 Membuat Abstract Class shape dengan ketentuan

```
public abstract class Shape {
    private String shapeName;

public Shape(String shapename) {
    this.shapeName = shapename;
}

public abstract double area();

public String toString() {
    String Result = "Shape Name " + this.shapeName;
    return Result;
}

full abstract double area();

public string toString() {
    String Result = "Shape Name " + this.shapeName;
    return Result;
}
```

- 2. Membuat file sphare.java mengekstend dari induknya shape dengan beberapa ketentuan Mengoverride method area dengan perhitungan 4\*PI\*radius^2
- Membuat file rectangle.java mengekstend dari induknya shape dengan beberapa ketentuan Mengoverride method area dengan perhitungan Panjang\*
- Membuat file Cylinder.java mengekstend dari induknya shape dengan beberapa ketentuan Mengoverride method area dengan perhitungan 4\*PI\*radius^2\*tinggi

Cylinder.java

### Shape.java

```
public abstract class Shape {
    private String shapeName;
    public loss shapeName;
    public shapeName = shapename;
    }
    public abstract double area();
    public String toString() {
        String Result = "Shape Name " + this.shapeName;
        return Result;
    }
}
```

### Rectagle.java

### Sphere.java

### 3. membbuat Paint, java

Paint.java

### 4. PaintThings.java PaintThings

#### Output

```
<terminated> PaintThings [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (Nov 4, 2022, 7:1
Computing amount for Shape Name Rectangle of length 20.0 and of width 30.0
Computing amount for Shape Name Sphere of radius 15.0
Computing amount for Shape Name Cylinder of radius 10.0 and of height 30.0
Number of gallons of paint needed...
Deck 600
BigBall 2827.4
Tank 9424.8
```

#### Kasus 3

Membuat Numbers.java dimana di dalam class tersebut terdapat algoritma selection sort untuk mensort array dan menampilkannya

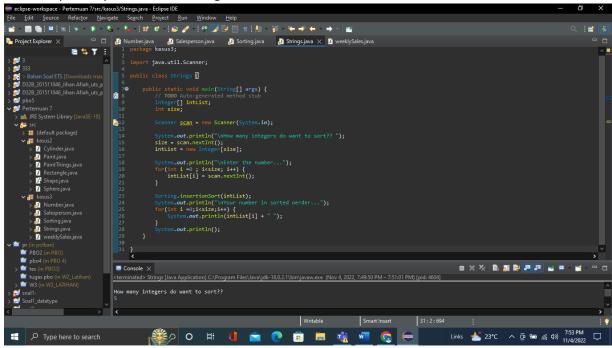
### Output:

```
How many integers do want to sort??

Enter the number...
1 2 3 4 5

Your number in sorted oerder...
5
4
3
2
1
```

Membuat String. Java sama seperti number. java membuat algoritma sort tetapi dengan selection sort dan menampilkannya secara ascending



### Output::

```
How many integers do want to sort??

Enter the number...
5 4 3 2 1

Your number in sorted oerder...
5
```

### Case 3

### Membuat salesperson, java

```
3 public class weeklySales {
40 public static void main(String[] args)
5 {
6 Salesperson [] salesStaff = new Salesperson [4];
7 salesStaff[[] = new Salesperson ("Rheta", "Panji", 3080);
8 salesStaff[] = new Salesperson ("Annisa", "Salsa", 4800);
9 salesStaff[] = new Salesperson ("Annisa", "Salsa", 4800);
10 salesStaff[] = new Salesperson ("Tanna", "Dana", 2800);
11 Sonting_SelectionSort(salesStaff);
12 System_out_println("\nimanking of Sales for the week\n");
13 for(Salesperson s : salesStaff)
14 System_out_println(s);
15 Terminated> Strings [Java Application] C\Program Files\Java\jdk-18.0.2.1\bim\javaw.ere (Nov 4, 2022, 753:37 PM - 7:53:49 PM) [pid: 12220]
16 Town many integers do want to sort??
2 Terminated> Strings [Java Application] C\Program Files\Java\jdk-18.0.2.1\bim\javaw.ere (Nov 4, 2022, 7:53:37 PM - 7:53:49 PM) [pid: 12220]
17 Town number in sorted oerder...
18 Town number in sorted oerder...
```

### Output:

```
Ranking of Sales for the week

Dana, Narma: 2800
Panji, Rheza: 3000
Nuwo, Koli: 3000
Salsa, Annisa: 4000
```