

Mata Kuliah : PBO – TI – S1

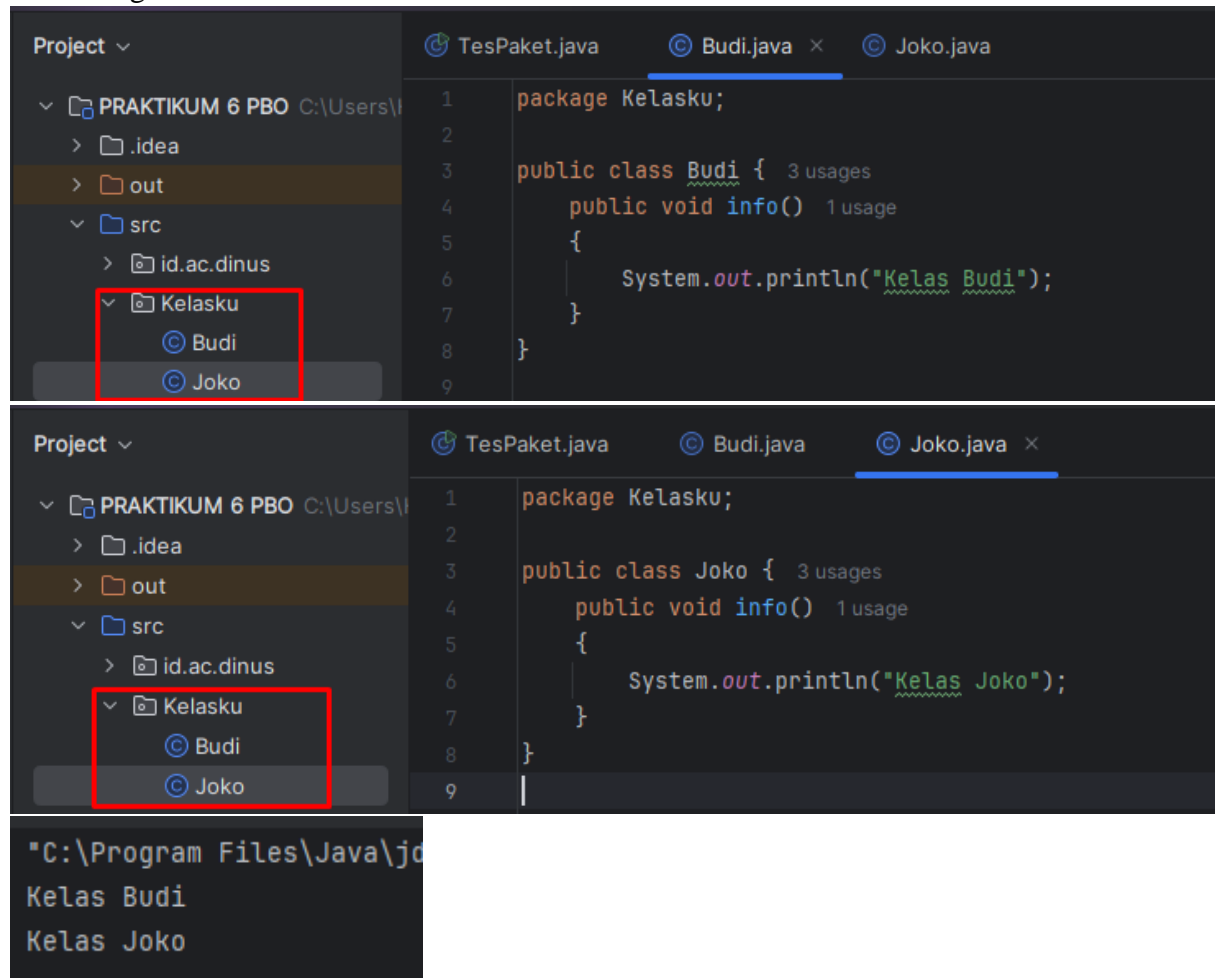
Pertemuan : 6

NIM : A11.2022.14532

Nama : Najma Aura Dias Prameswari

1. Tugas 1 : Membuat package kelasku

Hasil Program :



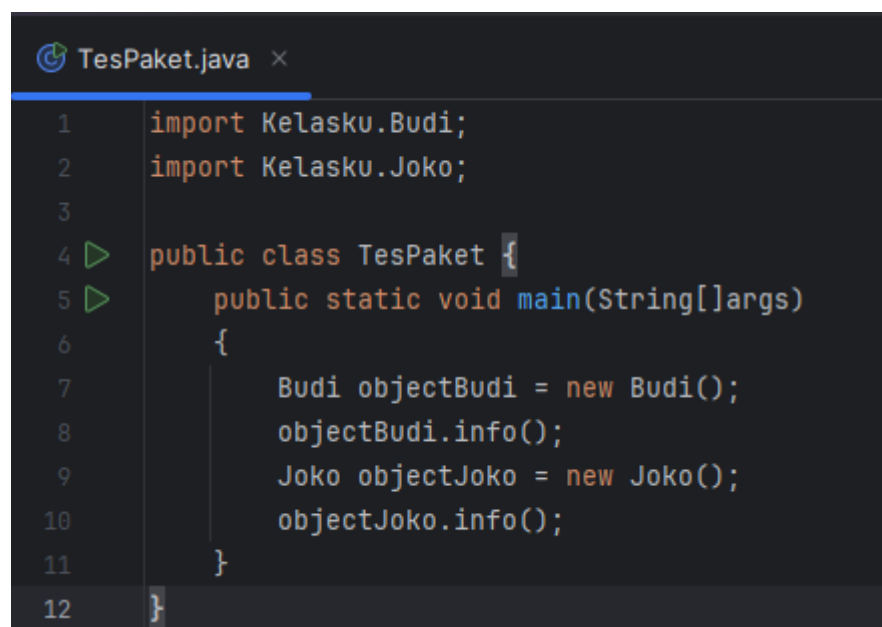
```
Project
└─ PRAKTIKUM 6 PBO C:\Users\...
   └─ .idea
      └─ out
         └─ src
            └─ id.ac.dinus
               └─ Kelasku
                  └─ Budi
                  └─ Joko
```

```
TesPaket.java Budi.java Joko.java
1 package Kelasku;
2
3 public class Budi { 3 usages
4     public void info() 1 usage
5     {
6         System.out.println("Kelas Budi");
7     }
8 }
9
```

```
TesPaket.java Budi.java Joko.java
1 package Kelasku;
2
3 public class Joko { 3 usages
4     public void info() 1 usage
5     {
6         System.out.println("Kelas Joko");
7     }
8 }
9
```

```
"C:\Program Files\Java\j...
Kelas Budi
Kelas Joko
```

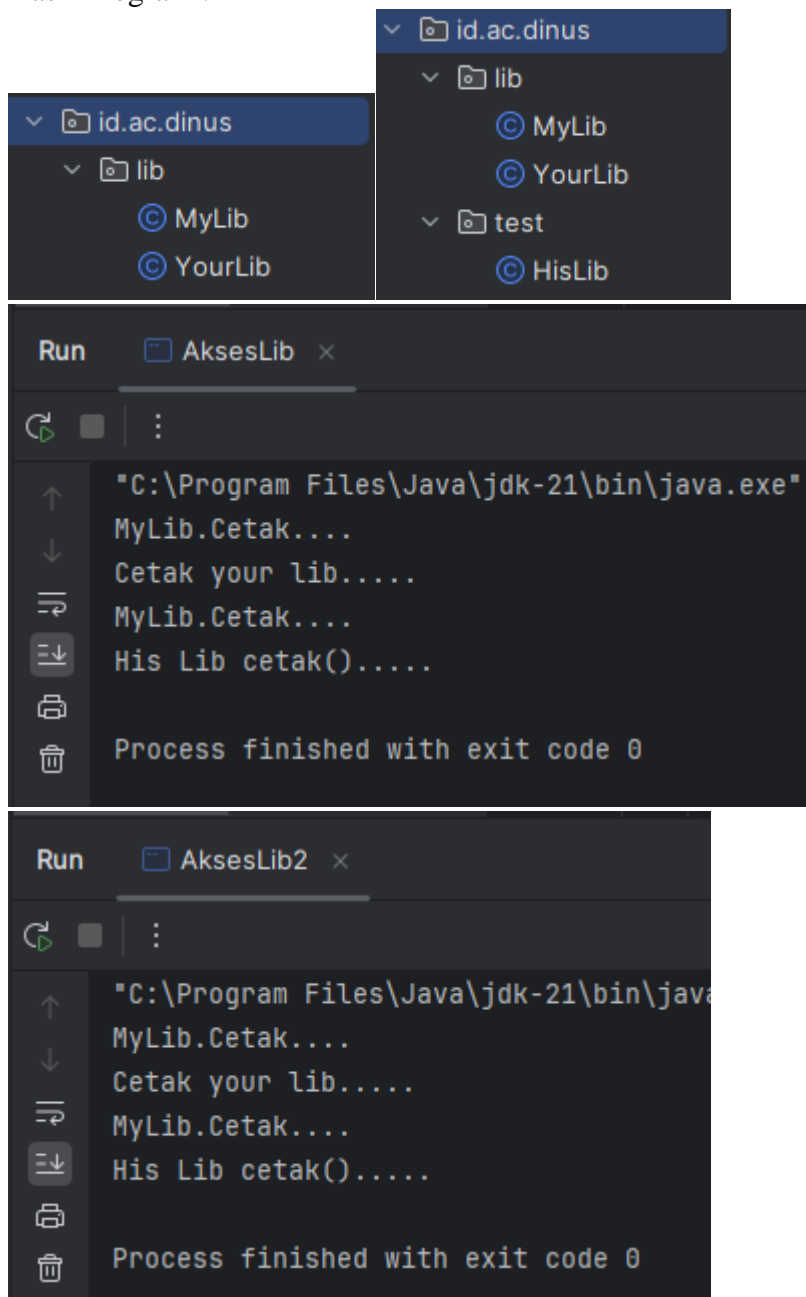
Code Program :



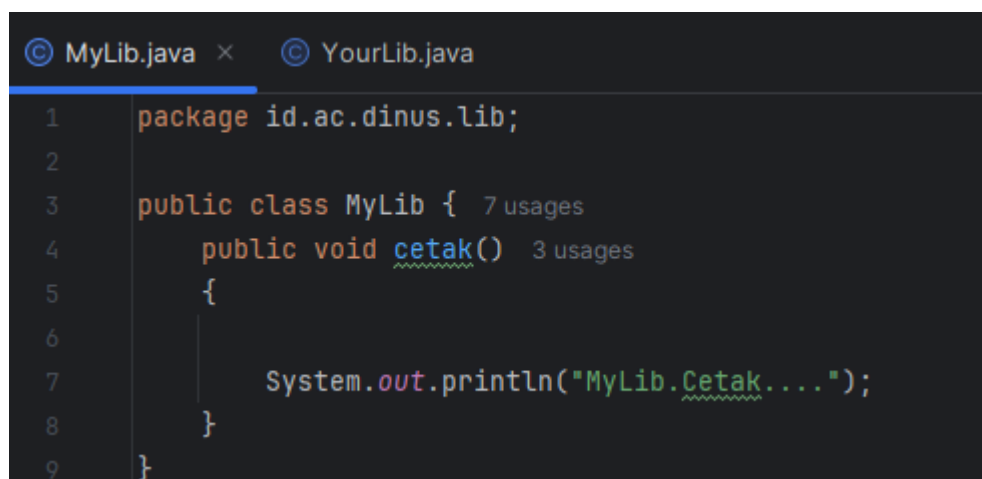
```
TesPaket.java
1 import Kelasku.Budi;
2 import Kelasku.Joko;
3
4 public class TesPaket {
5     public static void main(String[] args)
6     {
7         Budi objectBudi = new Budi();
8         objectBudi.info();
9         Joko objectJoko = new Joko();
10        objectJoko.info();
11    }
12 }
```

2. Tugas 2 : Membuat folder id.ac.dinus

Hasil Program :



Code Program :

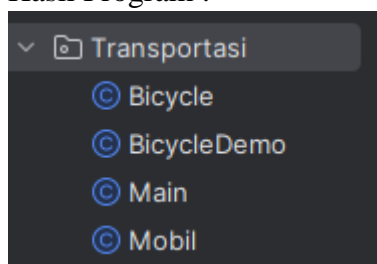


```
© MyLib.java    © YourLib.java ×
1 package id.ac.dinus.lib;
2
3 public class YourLib { 5 usages
4     public void cetak2() 2 usages
5     {
6         System.out.println("Cetak your lib.....");
7     }
8 }

© HisLib.java ×
1 package id.ac.dinus.test;
2 import id.ac.dinus.lib.*;
3 public class HisLib { 4 usages
4     public void cetak3() 2 usages
5     {
6         MyLib m = new MyLib();
7         m.cetak();
8         System.out.println("His Lib cetak().....");
9     }
10 }
```

### 3. Tugas 3 : Membuat package transportasi

Hasil Program :



```
TransportasiDemo x
| | |
"C:\Program Files\Java\jdk-21\bin\java.exe" "-j

Speed: 20

Gear: 4

Hidupkan Mobil : Avanza Silver
Ubah Gigi Mobil : Avanza Silver
Maju...
Mundur...
Belok...
Roda Avanza : 4
Roda Xenia : 4
Mesin Avanza : 1
Mesin Xenia : 1
Roda Avanza : 5
Roda Xenia : 4
Mesin Avanza : 9
Mesin Xenia : 9
Mesin Avanza : 9
Mesin Xenia : 9
Matikan Mobil : Avanza Silver
```

Code Program :

```
© Bicycle.java × © BicycleDemo.java © Main.java © t

1 package Transportasi;
2 public class Bicycle{ 2 usages
3     //file ini terhubung dengan file BicycleDemo.
4     int speed = 0; 4 usages
5     int gear = 0; 4 usages
6
7     //method
8     void changeGear(int newValue) 1 usage
9     {
10         gear = gear + newValue;
11         System.out.println("\nGear: "+gear);
12     }
13
14     void speedUp(int increment) 1 usage
15     {
16         speed = speed + increment;
17         System.out.println("\nSpeed: "+speed);
18     }
19 }
```

```
© Bicycle.java © BicycleDemo.java × © Main.java © Mobil.java

1 package Transportasi;
2 public class BicycleDemo{ 3 usages
3     public void cetak(){ 1 usage
4         //membuat object
5         Bicycle bike = new Bicycle();
6
7         //memanggil atribut dan memberi nilai
8         bike.speed=10;
9         bike.gear=2;
10
11         //memanggil method dan menunjuk nilai parameter
12         bike.speedUp( increment: 10);
13         bike.changeGear( newValue: 2);
14     }
15 }
```

```
© Bicycle.java  © BicycleDemo.java  © Main.java  © Mobil.java ×  © TransportasiDemo.java

1  package Transportasi;
2  public class Mobil { 2 usages
3      public String merek1; 5 usages
4      public String merek2; 2 usages
5      public String warna; 5 usages
6      public String maju; 3 usages
7      public String mundur; 3 usages
8      public String belok; 3 usages
9
10     public String rodaAvanza; 3 usages
11     public String rodaXenia; 3 usages
12     public String mesinAvanza; 3 usages
13     public String mesinXenia; 3 usages
14     public String rodaAvanza2; 3 usages
15     public String rodaXenia2; 3 usages
16     public String mesinAvanza2; 3 usages
17     public String mesinXenia2; 3 usages
18     public String mesinAvanza3; 3 usages
19     public String mesinXenia3; 3 usages
20     public void Mobilku(String merek1, String merek2, no usages
21         String warna, String maju, String mundur, String belok,
22         String rodaAvanza, String rodaXenia,
23         String mesinAvanza, String mesinXenia, String rodaAvanza2, String rodaXenia2,
24         String mesinAvanza2, String mesinXenia2, String mesinAvanza3, String mesinXenia3)
25     {
26         this.merek1 = merek1;
27         this.merek2 = merek2;
28         this.warna = warna; //warnanya silver
29         this.maju = maju;
30         this.mundur = mundur;
31         this.belok = belok;
32         this.rodaAvanza = rodaAvanza; //output = 4
33         this.rodaXenia = rodaXenia; //output = 4
34         this.mesinAvanza = mesinAvanza; //output = 1
35         this.mesinXenia = mesinXenia; //output = 1
36
37         this.rodaAvanza2 = rodaAvanza2; //output = 5
38         this.rodaXenia2 = rodaXenia2; //output = 4
39
40         this.mesinAvanza2 = mesinAvanza2; //output = 9
41         this.mesinXenia2 = mesinXenia2; //output = 9
42
43         this.mesinAvanza3 = mesinAvanza3; //output = 9
44         this.mesinXenia3 = mesinXenia3; //output = 9
45     }
```

```

47     public void info() { 1 usage
48         System.out.println("Hidupkan Mobil : "+this.merek1 + this.warna);
49         System.out.println("Ubah Gigi Mobil : "+this.merek1 + this.warna);
50         System.out.println(" "+this.maju);
51         System.out.println(" "+this.mundur);
52         System.out.println(" "+this.belok);
53         System.out.println("Roda Avanza : "+this.rodaAvanza);
54         System.out.println("Roda Xenia : "+this.rodaXenia);
55         System.out.println("Mesin Avanza : "+this.mesinAvanza);
56         System.out.println("Mesin Xenia : "+this.mesinXenia);
57         System.out.println("Roda Avanza : "+this.rodaAvanza2);
58         System.out.println("Roda Xenia : "+this.rodaXenia2);
59         System.out.println("Mesin Avanza : "+this.mesinAvanza2);
60         System.out.println("Mesin Xenia : "+this.mesinXenia2);
61         System.out.println("Mesin Avanza : "+this.mesinAvanza3);
62         System.out.println("Mesin Xenia : "+this.mesinXenia3);
63         System.out.println("Matikan Mobil : "+this.merek1 + this.warna);
64     }
65 }
66

```

© Bicycle.java   © BicycleDemo.java   © Main.java ×

```

1     package Transportasi;
2     public class Main { 3 usages
3         public void cetak2() { 1 usage
4             Mobil mymobil = new Mobil();
5
6             mymobil.merek1 = "Avanza";
7             mymobil.merek2 = "Xenia";
8             mymobil.warna = "Silver";
9
10            mymobil.maju = "Maju...";
11            mymobil.mundur = "Mundur...";
12            mymobil.belok = "Belok...";
13
14            mymobil.rodaAvanza = "4";
15            mymobil.rodaXenia = "4";
16            mymobil.mesinAvanza = "1";
17            mymobil.mesinXenia = "1";
18            mymobil.rodaAvanza2 = "5";
19            mymobil.rodaXenia2 = "4";
20            mymobil.mesinAvanza2 = "9";
21            mymobil.mesinXenia2 = "9";
22            mymobil.mesinAvanza3 = "9";
23            mymobil.mesinXenia3 = "9";
24
25            mymobil.info();
26        }
27    }

```

```

1  import Transportasi.BicycleDemo;
2  import Transportasi.Main;
3
4  public class TransportasiDemo {
5      public static void main(String []args)
6      {
7          BicycleDemo b = new BicycleDemo();
8          b.cetak();
9          System.out.println("\n");
10         Main mobil = new Main();
11         mobil.cetak2();
12     }
13 }

```

#### 4. Tugas 4 : Membuat file JAR

Hasil Program :

Local Disk (C:) > Users > HP > jual >

Name	Date modified	Type	Size
META-INF	18/04/2024 23:44	File folder	
kendaraan	18/04/2024 23:46	Executable Jar File	2 KB
Mobil.class	19/03/2024 19:27	CLASS File	1 KB
TesMobil.class	18/04/2024 23:26	CLASS File	2 KB

```

C:\Users\HP\jual>java -jar kendaraan.jar
Maju...
Mundur...
Belok...
Roda : 4
Mesin : 1

```

Code Program :

Mobil.java X TesMobil.java

C: > Users > HP > Praktikum PBO 2 > Mobil.java

```

1  public class Mobil{
2      int roda=4;
3      int body=1;
4      static int mesin=1; //class variable
5      static void maju(){
6          System.out.println("Maju...");
7      }
8      void mundur(){
9          System.out.println("Mundur...");
10     }
11     void belok(){
12         System.out.println("Belok...");
13     }
14 }

```



J Mobil.java | J TesMobil.java 2 X

C: > Users > HP > Praktikum PBO 2 > J TesMobil.java > TesMobil

```
1 public class TesMobil{
2     //file ini terhubung dengan file Mobil. d
3
4     public static void main(String[] a){
5         Mobil avanza=new Mobil();// bgian avanza=new
6         avanza.maju();
7         avanza.mundur();
8         avanza.belok();
9         System.out.println("Roda : "+avanza.roda);
10        System.out.println("Mesin : "+avanza.mesin);
11    }
12 }
```