

Mata Kuliah : PBO – TI – S1
Pertemuan : 6
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Nama : Faza Faresha Affandi

1. Latihan 1

Code Budi.java :

```
package kelasku;  
  
public class Budi {  
    public void info(){  
        System.out.println("Kelas Budi");  
    }  
}
```

Code Joko.java :

```
package kelasku;  
  
public class Joko{  
    public void info(){  
        System.out.println("Kelas Joko");  
    }  
}
```

Code TesPaket.java :

```
import kelasku.Budi;  
import kelasku.Joko;  
  
public class TesPaket {  
    public static void main(String[] args) {  
        Budi ObjectBudi = new Budi();  
        ObjectBudi.info();  
        Joko objectJoko = new Joko();  
        objectJoko.info();  
    }  
}
```

Hasil :

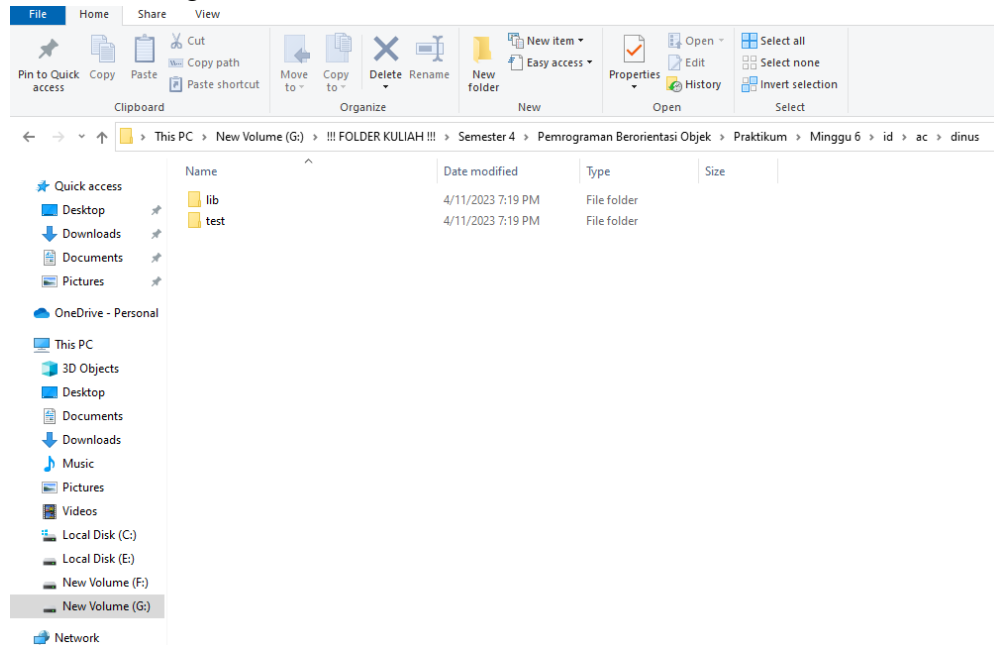
```
Windows PowerShell
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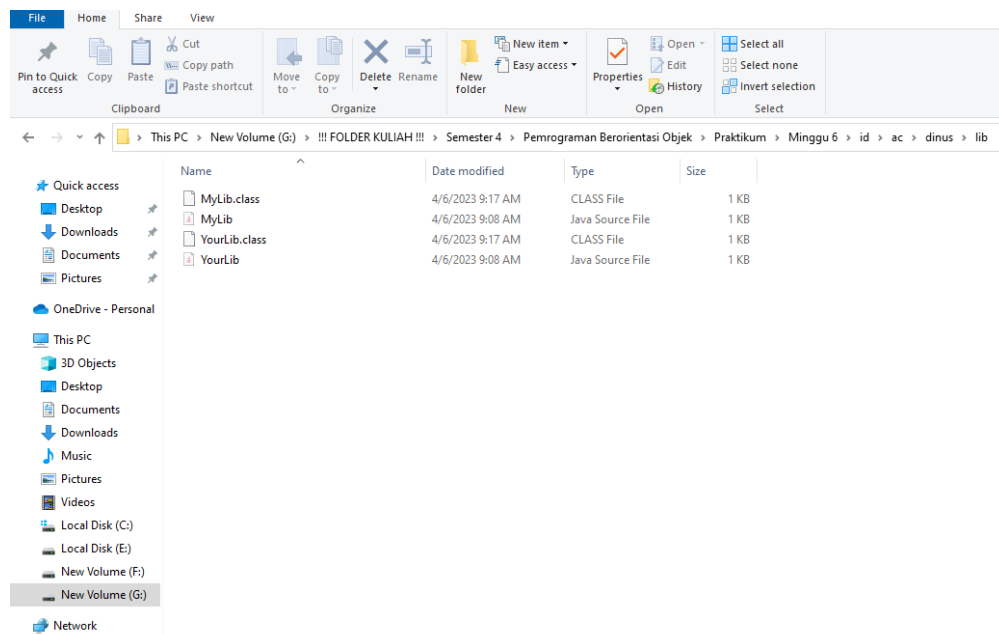
PS D:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\Minggu 6> javac TesPaket.java
PS D:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\Minggu 6> java TesPaket
Kelas Budi
Kelas Joko
PS D:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\Minggu 6> |
```

2. Latihan 2

Membuat Program dalam folder id.ac.dinus :



Isi folder lib :



Code MyLib.java :

```
package id.ac.dinus.lib;

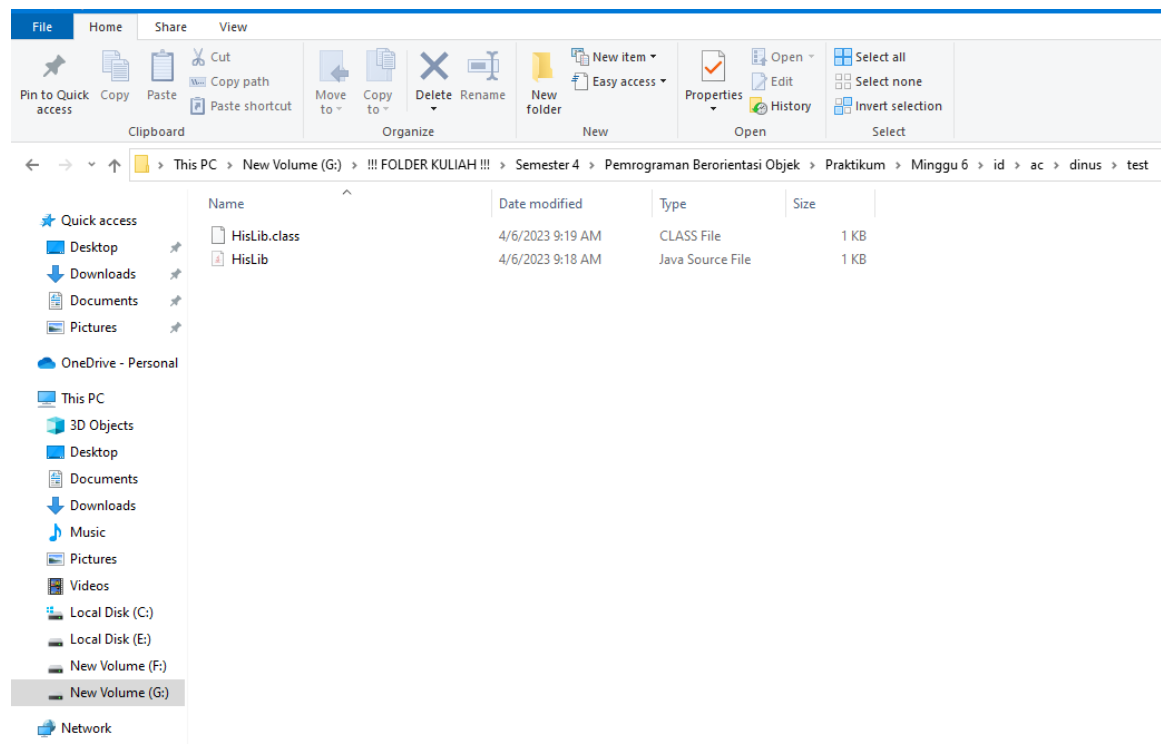
public class MyLib{
    public void cetak(){
        System.out.println("MyLib.Cetak.....");
    }
}
```

Code YourLib.java :

```
package id.ac.dinus.lib;

public class YourLib{
    public void cetak2(){
        System.out.println("cetak your lib.....");
    }
}
```

Isi folder test :

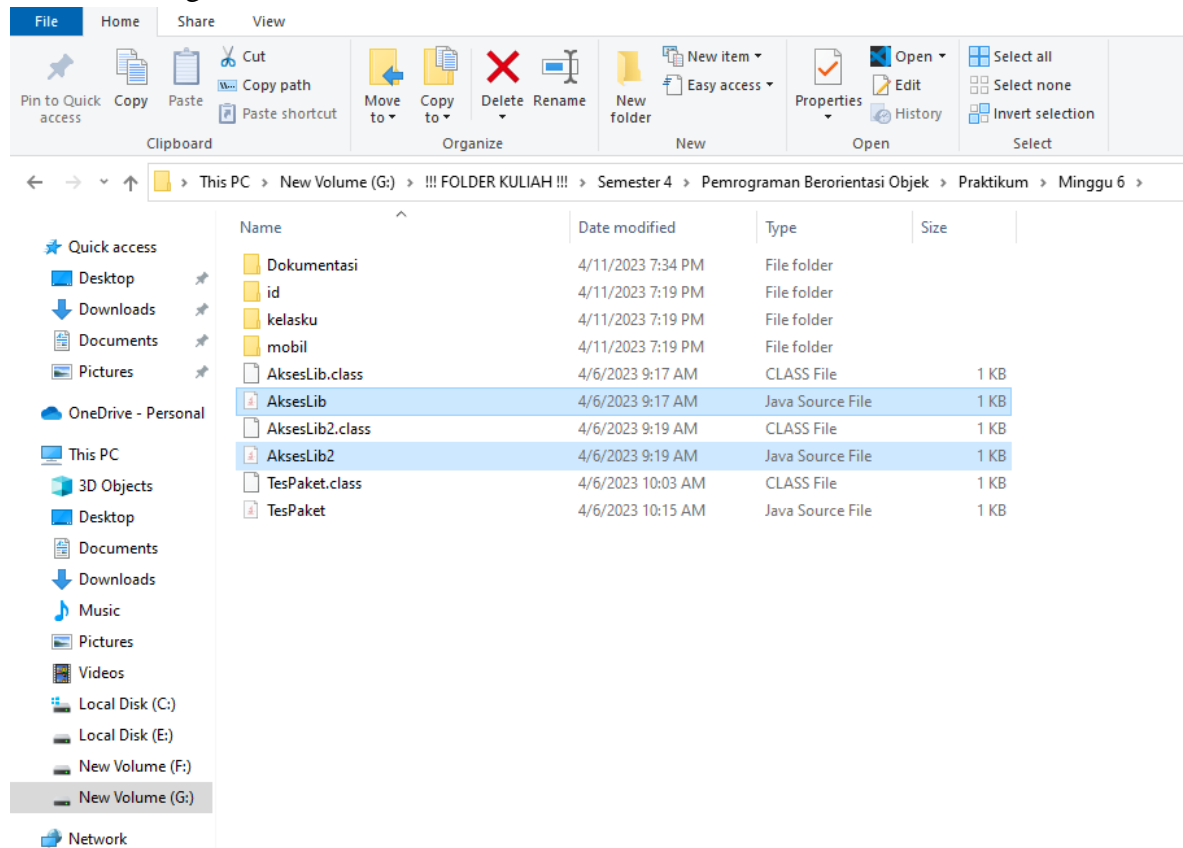


Code HisLib.java :

```
package id.ac.dinus.test;
import id.ac.dinus.lib.*;

public class HisLib{
    public void cetak3(){
        MyLib m = new MyLib();
        m.cetak();
        System.out.println("his lib cetak().....");
    }
}
```

Membuat Program AksesLib dan AksesLib2 di Main folder :



Code AksesLib :

```
import id.ac.dinus.lib.*;
import id.ac.dinus.test.*;

public class AksesLib{
    public static void main(String[] a){
        MyLib m = new MyLib();
        m.cetak();
        YourLib y = new YourLib();
        y.cetak2();
        HisLib h = new HisLib();
        h.cetak3();
    }
}
```

Code AksesLib2 :

```
import id.ac.dinus.lib.MyLib; //langsung ke class
import id.ac.dinus.lib>YourLib;
import id.ac.dinus.test.*;

public class AksesLib2{
    public static void main(String[] a){
        MyLib m = new MyLib();
        m.cetak();
        YourLib y = new YourLib();
        y.cetak2();
        HisLib h = new HisLib();
        h.cetak3();
    }
}
```

Hasil :

```
PS G:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\Minggu 6> & 'C:\Pro
KOMPUTER\AppData\Roaming\Code\User\workspaceStorage\7bd2de4155902ea87c5b3b28dcb90b78\redhat.java\jd
MyLib.Cetak.....
cetak your lib.....
MyLib.Cetak.....
his lib cetak().....
PS G:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\Minggu 6> █
```

3. Latihan 3

Code Bicycle.java :

```
package transportasi;

public class Bicycle {
    int speed = 0;
    int gear = 0;

    //method
    public void changeGear(int newValue) {
        gear = gear + newValue;
        System.out.println(" \nGear      : "+gear);
    }

    public void speedUp(int increment) {
        speed = speed + increment;
        System.out.println(" \nSpeed      : "+speed);
    }
}
```

Code Mobil2.java :

```
package transportasi;

public class Mobil2{
    private int roda = 4;
    private int body = 1;
    static int mesin = 1;
    public void maju(){
        System.out.println("Maju .....");
    }
    public void mundur(){
        System.out.println("Mundur .....");
    }
    public void belok(){
        System.out.println("Belok.....");
    }
    public void hidup(String nama){
        System.out.println("Hidupkan Mobil : "+nama);
    }
    public void mati(String nama){
        System.out.println("Matikan Mobil : "+nama);
    }
    public void ubahGigi(String nama){
        System.out.println("Ubah Gigi Mobil : "+nama);
    }
    public void setRoda(int roda){
        this.roda = roda;
    }
    public int getRoda(){
        return roda;
    }
    public void setMesin(int mesin){
        this.mesin = mesin;
    }
    public int getMesin(){
        return mesin;
    }
}
```

Code TransportasiDemo.java :

```
import transportasi.Bicycle;
import transportasi.Mobil2;

public class TransportasiDemo {
    public static void main(String[] args) {
        Mobil2 avanza = new Mobil2();
        Bicycle sepeda = new Bicycle();

        avanza.setRoda(4);
        avanza.setMesin(1);
        avanza.hidup("Avanza Silver");
        avanza.ubahGigi("Xenia");
        avanza.maju();
        avanza.mundur();
        avanza.belok();

        sepeda.changeGear(5);
        sepeda.speedUp(4);
    }
}
```

Hasil :

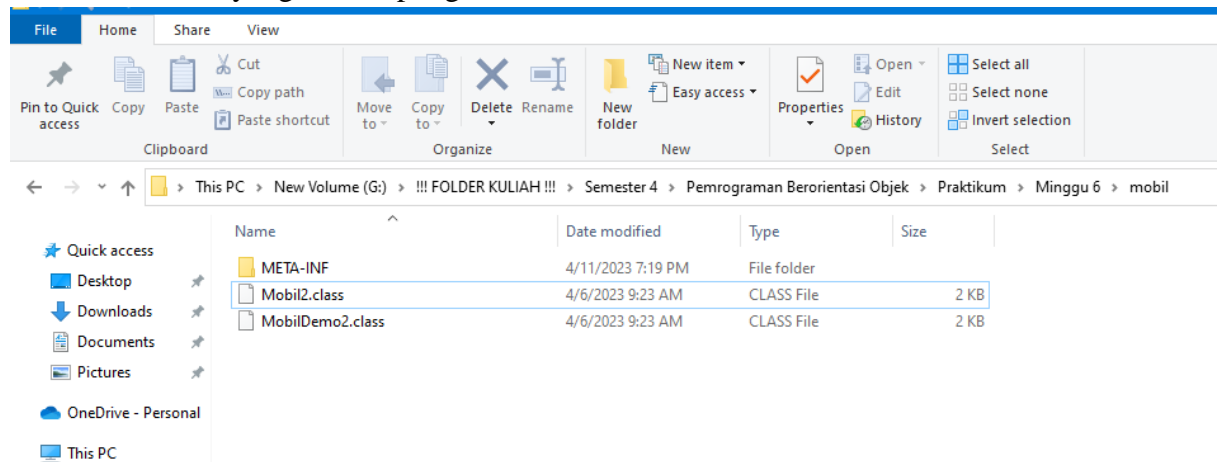
```
PS G:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\kendaraan> cd "g
java } ; if ($?) { java TransportasiDemo }
Hidupkan Mobil : Avanza Silver
Ubah Gigi Mobil : Xenia
Maju .....
Mundur .....
Belok.....

Gear      : 5

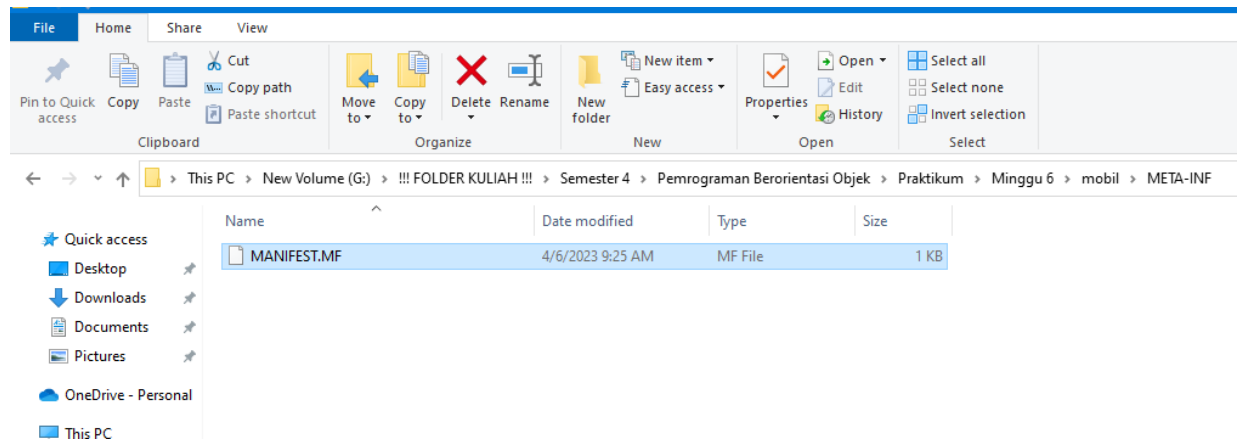
Speed     : 4
PS G:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\kendaraan>
```

4. Latihan 3

Membuat Folder yang menampung file class dan folder META-INF :



Membuat File MANIFEST.MF dalam folder META-INF :

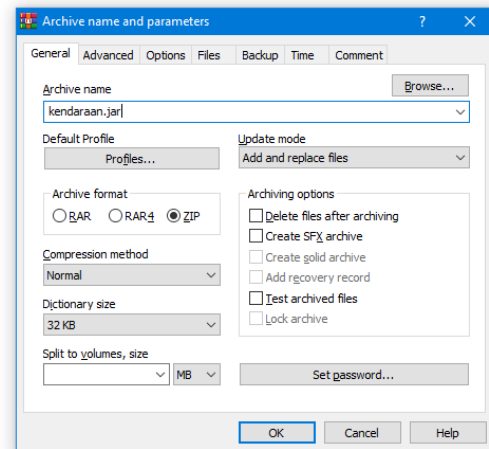


Code MANIFEST.MF :

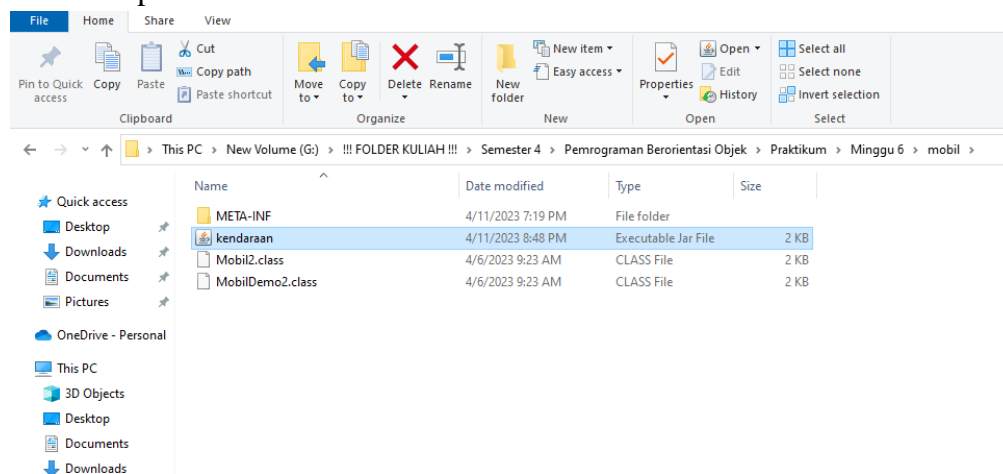
```
MANIFEST.MF X
mobil > META-INF > MANIFEST.MF
1 Main-Class: MobilDemo2
2
```


Memaketkan file class :

Name	Date modified	Type	Size
META-INF	4/11/2023 7:19 PM	File folder	
Mobil2.class	4/6/2023 9:23 AM	CLASS File	2 KB
MobilDemo2.class	4/6/2023 9:23 AM	CLASS File	2 KB



Setelah dipaketkan :



Hasil :

```
Windows PowerShell
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PS D:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\Minggu 6\mobil> java -jar kendaraan.jar
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
PS D:\!!! FOLDER KULIAH !!!\Semester 4\Pemrograman Berorientasi Objek\Praktikum\Minggu 6\mobil> |
```