

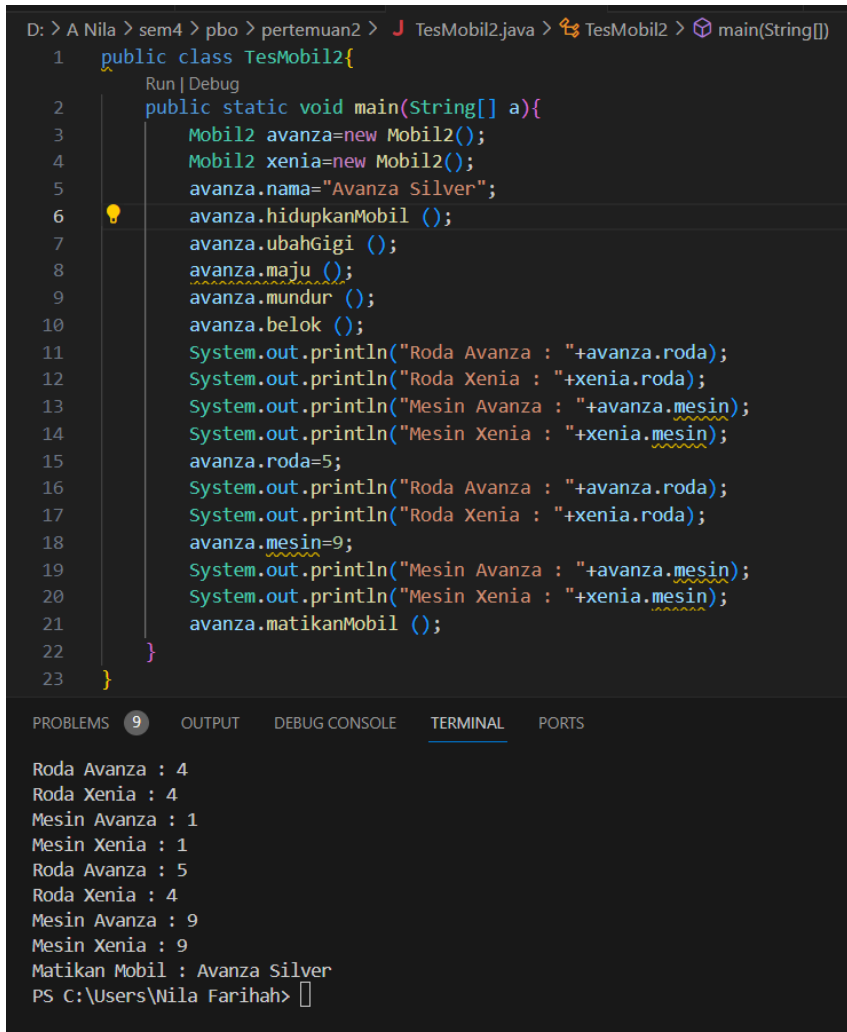
Mata Kuliah : PBO – TI – S1

Pertemuan : 2

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Nama : Nila Farihah

Hasil Program :

A screenshot of an IDE window showing a Java program. The code defines a class 'TesMobil2' with a 'main' method. Inside 'main', two 'Mobil2' objects are created: 'avanza' and 'xenia'. 'avanza' is initialized with 'nama' 'Avanza Silver'. The program then calls methods on 'avanza': 'hidupkanMobil()', 'ubahGigi()', 'maju()', 'mundur()', and 'belok()'. It prints the 'roda' and 'mesin' values for both cars before and after changing 'avanza's' 'roda' to 5 and 'mesin' to 9. Finally, it calls 'matikanMobil()' on 'avanza'. The output window at the bottom shows the results of these operations.

```
D: > A Nila > sem4 > pbo > pertemuan2 > J TesMobil2.java > ⚙️ TesMobil2 > 🏠 main(String[])
1 public class TesMobil2{
    Run | Debug
2     public static void main(String[] a){
3         Mobil2 avanza=new Mobil2();
4         Mobil2 xenia=new Mobil2();
5         avanza.nama="Avanza Silver";
6         avanza.hidupkanMobil ();
7         avanza.ubahGigi ();
8         avanza.maju ();
9         avanza.mundur ();
10        avanza.belok ();
11        System.out.println("Roda Avanza : "+avanza.roda);
12        System.out.println("Roda Xenia : "+xenia.roda);
13        System.out.println("Mesin Avanza : "+avanza.mesin);
14        System.out.println("Mesin Xenia : "+xenia.mesin);
15        avanza.roda=5;
16        System.out.println("Roda Avanza : "+avanza.roda);
17        System.out.println("Roda Xenia : "+xenia.roda);
18        avanza.mesin=9;
19        System.out.println("Mesin Avanza : "+avanza.mesin);
20        System.out.println("Mesin Xenia : "+xenia.mesin);
21        avanza.matikanMobil ();
22    }
23 }
```

PROBLEMS 9 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Roda Avanza : 4
Roda Xenia : 4
Mesin Avanza : 1
Mesin Xenia : 1
Roda Avanza : 5
Roda Xenia : 4
Mesin Avanza : 9
Mesin Xenia : 9
Matikan Mobil : Avanza Silver
PS C:\Users\Nila Farihah>
```

Kode Program :

File “Mobil2.java”

```
public class Mobil2{
    int roda=4;
    int body=1;
    static int mesin=1;
```

```

String nama;
static void maju(){
    System.out.println("Maju.....");
}
void mundur(){
    System.out.println("Mundur.....");
}
void belok(){
    System.out.println("Belok.....");
}
void hidupkanMobil(){
    System.out.println("Hidupkan Mobil : "+nama);
}
void matikanMobil(){
    System.out.println("Matikan Mobil : "+nama);
}
void ubahGigi(){
    System.out.println("Ubah Gigi : "+nama);
}
}

```

File “TesMobil2.java”

```

public class TesMobil2{
    public static void main(String[] a){
        Mobil2 avanza=new Mobil2();
        Mobil2 xenia=new Mobil2();
        avanza.nama="Avanza Silver";
        avanza.hidupkanMobil ();
        avanza.ubahGigi ();
        avanza.maju ();
        avanza.mundur ();
        avanza.belok ();
        System.out.println("Roda Avanza : "+avanza.roda);
        System.out.println("Roda Xenia : "+xenia.roda);
        System.out.println("Mesin Avanza : "+avanza.mesin);
        System.out.println("Mesin Xenia : "+xenia.mesin);
        avanza.roda=5;
        System.out.println("Roda Avanza : "+avanza.roda);
        System.out.println("Roda Xenia : "+xenia.roda);
        avanza.mesin=9;
        System.out.println("Mesin Avanza : "+avanza.mesin);
        System.out.println("Mesin Xenia : "+xenia.mesin);
        avanza.matikanMobil ();
    }
}

```

Hasil Program :

```
D:\A Nila\sem4\pbo\pertemuan2>javac TestNilai.java

D:\A Nila\sem4\pbo\pertemuan2>java TestNilai
NIM          : A11202214667
Nama         : Nila
Nilai Tugas  : 99.0 * 30% : 34.3
Nilai UTS    : 89.0 * 30% : 17.800001
Nilai UAS    : 98.0 * 30% : 44.1
Nilai Ahir   : 96.2

=====
NIM          : A11202214701
Nama         : Adi
Nilai Tugas  : 98.0 * 30% : 34.649998
Nilai UTS    : 87.0 * 30% : 17.4
Nilai UAS    : 99.0 * 30% : 44.55
Nilai Ahir   : 96.59999

=====
D:\A Nila\sem4\pbo\pertemuan2>
```

Kode Program :

```
J TestNilai.java 5 X J Nilai.java A J TestNilai.java D:\... \pertemuan4 2 J Nilai.java D:\... \per

J TestNilai.java > TestNilai
1 import java.util.Scanner;
2 import java.io.*;
3 public class TestNilai{
4
5     Run | Debug
6     public static void main (String[] args){
7         String jawab="";
8         Scanner input = new Scanner(System.in);
9         Nilai nilaiku=new Nilai();
10        nilaiku.nim="A11202214667";
11        nilaiku.nama="Nila";
12        nilaiku.nilaiTugas=99;
13        nilaiku.nilaiUts=89;
14        nilaiku.nilaiUas=98;
15        nilaiku.hitungNilai();
16        nilaiku.cetakNilai();
17
18        Nilai nilaimu=new Nilai();
19
20        nilaiku.nim="A11202214701";
21        nilaiku.nama="Adi";
22        nilaiku.nilaiTugas=98;
23        nilaiku.nilaiUts=87;
24        nilaiku.nilaiUas=99;
25        nilaiku.hitungNilai();
26        nilaiku.cetakNilai();
27    }
}
```

```

J Nilai.java > Nilai > hitungNilai()
1  import java.util.Scanner;
2  public class Nilai {
3      String nim, nama, nHuruf, predikat ;
4      float nilaiUts, nilaiTugas, nilaiUas, pNilaiUts, pNilaiTugas, pNilaiUas, nilaiAkhir;
5      Scanner myObj = new Scanner(System.in);
6      void isiData(String nim, String nama, float nilaiUts, float nilaiTugas, float nilaiUas)
7      {
8          this.nim=nim;
9          this.nama=nama;
10         this.nilaiTugas=nilaiTugas;
11         this.nilaiUts=nilaiUts;
12         this.nilaiUas=nilaiUas;
13     }
14     void setNim(String nim){
15         this.nim=nim;
16     }
17     String getNim(){
18         return nim;
19     }
20     void inputData(){
21         System.out.print (s:"Nim \t\t: ");nim=myObj.nextLine();
22         System.out.print (s:"Nama \t\t: ");nama=myObj.nextLine();
23         System.out.print (s:"Nilai Tugas \t: ");nilaiTugas=myObj.nextFloat();
24         System.out.print (s:"Nilai UTS \t: ");nilaiUts=myObj.nextFloat();
25         System.out.print (s:"Nilai UAS \t: ");nilaiUas=myObj.nextFloat();
26         System.out.print (s:"\n");
27         System.out.print (s:"=====\n");
28     }
29     void hitungNilai(){
30         pNilaiUts=.20f*nilaiUts;
31         pNilaiTugas=.35f*nilaiTugas;
32         pNilaiUas=.45f*nilaiUas;
33         nilaiAkhir=pNilaiTugas+pNilaiUts+pNilaiUas;
34     }
35     void cetakNilai(){
36         System.out.println("NIM \t\t: "+nim);
37         System.out.println("Nama \t\t: "+nama);
38         System.out.println("Nilai Tugas \t: "+nilaiTugas+" * 35% = "+pNilaiTugas+"%");
39         System.out.println("Nilai UTS \t: "+nilaiUts+" * 20% = "+pNilaiUts+"%");
40         System.out.println("Nilai UAS \t: "+nilaiUas+" * 45% = "+pNilaiUas+"%");
41         System.out.println("Nilai Akhir \t: "+nilaiAkhir);
42     }
43 }

```

File “Nilai.java”

```

import java.util.Scanner;
public class Nilai {
    String nim, nama, nHuruf, predikat ;
    float nilaiUts, nilaiTugas, nilaiUas, pNilaiUts, pNilaiTugas,
pNilaiUas, nilaiAkhir;
    Scanner myObj = new Scanner(System.in);
    void isiData(String nim, String nama, float nilaiUts, float
nilaiTugas, float nilaiUas)
    {
        this.nim=nim;
        this.nama=nama;
        this.nilaiTugas=nilaiTugas;
        this.nilaiUts=nilaiUts;
        this.nilaiUas=nilaiUas;
    }
    void setNim(String nim){
        this.nim=nim;
    }
    String getNim(){
        return nim;
    }
}

```

```

        void inputData(){
            System.out.print ("Nim \t\t: ");nim=myObj.nextLine();
            System.out.print ("Nama \t\t: ");nama=myObj.nextLine();
            System.out.print ("Nilai Tugas \t:
");nilaiTugas=myObj.nextFloat();
            System.out.print ("Nilai UTS \t:
");nilaiUts=myObj.nextFloat();
            System.out.print ("Nilai UAS \t:
");nilaiUas=myObj.nextFloat();
            System.out.print ("\n");
            System.out.print
("=====\n");
        }
        void hitungNilai(){
            pNilaiUts=.20f*nilaiUts;
            pNilaiTugas=.35f*nilaiUas;
            pNilaiUas=.45f*nilaiUas;
            nilaiAkhir=pNilaiTugas+pNilaiUts+pNilaiUas;
        }
        void cetakNilai(){
            System.out.println("NIM \t\t: "+nim);
            System.out.println("Nama \t\t: "+nama);
            System.out.println("Nilai Tugas \t: "+nilaiTugas+" * 30%
: "+pNilaiTugas);
            System.out.println("Nilai UTS \t: "+nilaiUts+" * 30% :
"+pNilaiUts);
            System.out.println("Nilai UAS \t: "+nilaiUas+" * 30% :
"+pNilaiUas);
            System.out.println("Nilai Akhir \t: "+nilaiAkhir);
            System.out.print ("\n");
            System.out.print
("=====\n");
        }
    }
}

```

File "TestNilai.java"

```

import java.util.Scanner;
import java.io.*;
public class TestNilai{

    public static void main (String[] args){
        String jawab="";
        Scanner input = new Scanner(System.in);
        Nilai nilaiku=new Nilai();
        nilaiku.nim="A11202214667";
        nilaiku.nama="Nila";
        nilaiku.nilaiTugas=99;
        nilaiku.nilaiUts=89;
    }
}

```

```
        nilaiku.nilaiUas=98;
        nilaiku.hitungNilai();
        nilaiku.cetakNilai();

        Nilai nilaimu=new Nilai();

        nilaiku.nim="A11202214701";
        nilaiku.nama="Adi";
        nilaiku.nilaiTugas=98;
        nilaiku.nilaiUts=87;
        nilaiku.nilaiUas=99;
        nilaiku.hitungNilai();
        nilaiku.cetakNilai();
    }
}
```