

ACTIVITY PERTEMUAN 1

NAMA : Johan

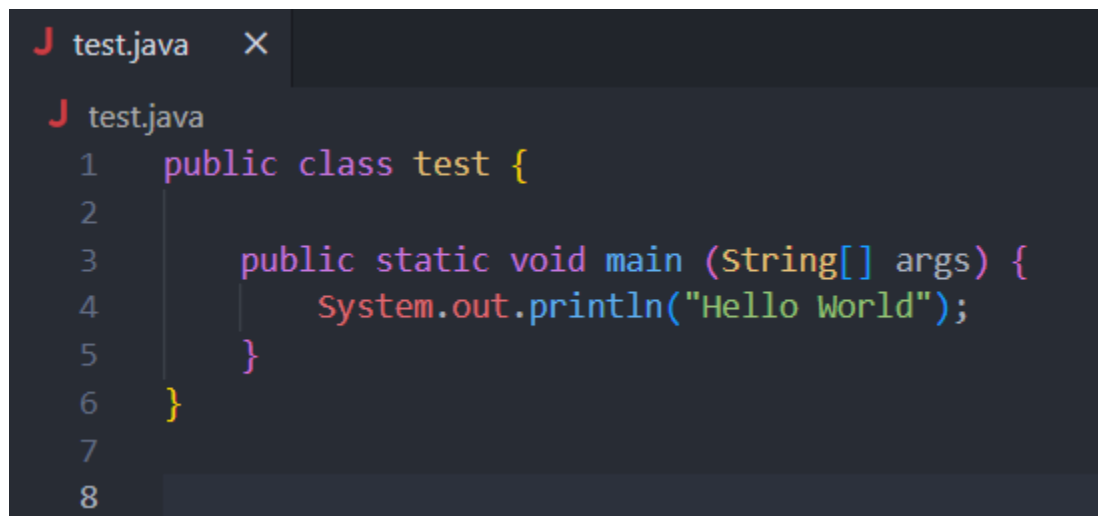
NPM : 50421686

KELAS : 4IA28

MATA PRAKTIKUM : Rekayasa Perangkat Lunak 2

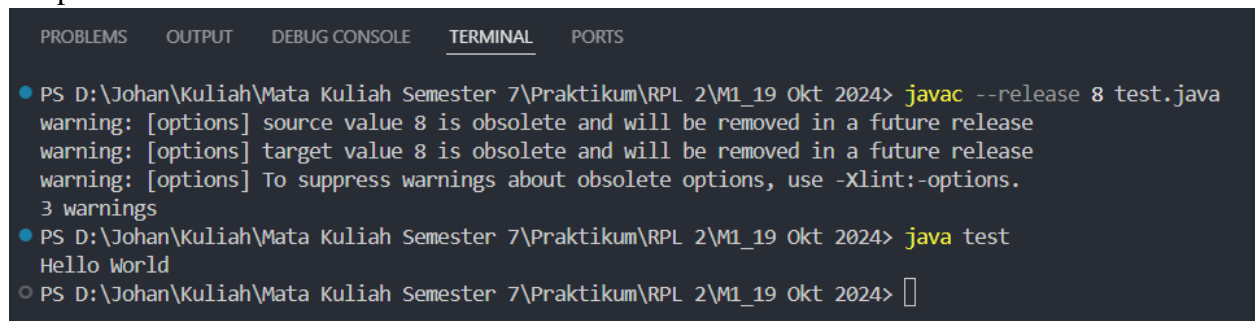
Test.java

Code:

A screenshot of a code editor window titled 'test.java'. The editor shows the following Java code:

```
1 public class test {  
2  
3     public static void main (String[] args) {  
4         System.out.println("Hello World");  
5     }  
6 }  
7  
8
```

Output:

A screenshot of a terminal window with tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and PORTS. The TERMINAL tab is active, showing the following commands and output:

```
PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024> javac --release 8 test.java  
warning: [options] source value 8 is obsolete and will be removed in a future release  
warning: [options] target value 8 is obsolete and will be removed in a future release  
warning: [options] To suppress warnings about obsolete options, use -Xlint:-options.  
3 warnings  
PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024> java test  
Hello World  
PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024> 
```

Mahasiswa.java

Code:

```
J Mahasiswa.java X
J Mahasiswa.java
1  public class Mahasiswa {
2      public static void main (String [] args) {
3          String Nama;
4          int Umur;
5          int Npm;
6          String Kelas;
7
8          double Uts;
9          double Uas;
10         double Hasil;
11
12         Nama = "Johan";
13         Umur = 21;
14         Npm = 50421686;
15         Kelas = "4IA28";
16
17         Uts = 80;
18         Uas = 90;
19         Hasil = (Uts * 0.3 + Uas * 0.7);
20
21         System.out.println("Nama : " + Nama);
22         System.out.println("Umur : " + Umur);
23         System.out.println("Npm : " + Npm);
24         System.out.println("Kelas : " + Kelas);
25         System.out.println("Nilai Akhir Ujian : " + Hasil);
26     }
27 }
28 }
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

Nama : Johan
Umur : 21
Npm : 50421686
Kelas : 4IA28
Nilai Akhir Ujian : 87.0
PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024> █
```

ACTIVITY PERTEMUAN 2

NAMA : Johan

NPM : 50421686

KELAS : 4IA28

MATA PRAKTIKUM : Rekayasa Perangkat Lunak 2

Main.java

Code:



```
J Kendaraan.java J Main.java X
J Main.java
1 public class Main {
2     public static void main (String[] args) {
3         Mahasiswa mahasiswa1 = new Mahasiswa();
4
5         mahasiswa1.Nama = "Johan";
6         mahasiswa1.Umur = 21;
7         mahasiswa1.Npm = 50421686;
8         mahasiswa1.Kelas = "4IA28";
9
10        mahasiswa1.Uts = 90;
11        mahasiswa1.Uas = 95;
12        mahasiswa1.data_diri ();
13
14        Mahasiswa mahasiswa2 = new Mahasiswa();
15        mahasiswa2.Nama = "Khoerul";
16        mahasiswa2.Umur = 21;
17        mahasiswa2.Npm = 51421607;
18        mahasiswa2.Kelas = "4IA28";
19
20        mahasiswa2.Uts = 95;
21        mahasiswa2.Uas = 100;
22        mahasiswa2.data_diri ();
23    }
24
25 }
```

```

27  ✓ class Mahasiswa {
28      String Nama;
29      int Umur;
30      int Npm;
31      String Kelas;
32
33      double Uts;
34      double Uas;
35      double Hasil;
36
37  ✓  public void data_diri () {
38      System.out.println("=====");
39      System.out.println("Nama : " + Nama);
40      System.out.println("Umur : " + Umur);
41      System.out.println("Npm : " + Npm);
42      System.out.println("Kelas : " + Kelas);
43
44      Hasil = (Uts * 0.3 + Uas * 0.7);
45      System.out.println("Nilai Akhir Ujian : " + Hasil);
46  }
47  }

```

Output:

```

• PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024\Pert 2\Code> javac --release 8 Main.java
warning: [options] source value 8 is obsolete and will be removed in a future release
warning: [options] target value 8 is obsolete and will be removed in a future release
warning: [options] To suppress warnings about obsolete options, use -Xlint:-options.
3 warnings
• PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024\Pert 2\Code> java Main
=====
Nama : Johan
Umur : 21
Npm : 50421686
Kelas : 4IA28
Nilai Akhir Ujian : 93.5
=====
Nama : Khoerul
Umur : 21
Npm : 51421607
Kelas : 4IA28
Nilai Akhir Ujian : 98.5
○ PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024\Pert 2\Code>

```

Kendaraan.Java

Code:

```
J Kendaraan.java
1  public class Kendaraan {
2      public static void main(String[] args) {
3          Motor motor1 = new Motor("Merah", "Motor Beat", 10);
4
5          motor1.CekBensin();
6          motor1.Jenis();
7          motor1.starterMotor();
8          motor1.BelokKanan();
9          motor1.BelokKiri();
10
11         System.out.println("-----\n");
12
13         Motor motor2 = new Motor("Hijau Tosca", "Motor Fazzio", 0);
14
15         motor2.CekBensin();
16         motor2.Jenis();
17         motor2.starterMotor();
18         motor2.BelokKanan();
19         motor2.BelokKiri();
20
21         System.out.println("-----\n");
22
23         Mobil mobil1 = new Mobil("Biru Langit", "Ferrari", 20);
24
25         mobil1.CekBensin();
26         mobil1.Jenis();
27         mobil1.starterMobil();
28         mobil1.BelokKanan();
29         mobil1.BelokKiri();
30
31         System.out.println("-----\n");
32
33         Mobil mobil2 = new Mobil("Hijau Sage", "Koenigsegg", 0);
```

```

35         mobil2.CekBensin();
36         mobil2.Jenis();
37         mobil2.starterMobil();
38         mobil2.BelokKanan();
39         mobil2.BelokKiri();
40
41         System.out.println("-----\n");
42     }
43 }
44
45
46 class Transportasi{
47     String Warna;
48     String Merk;
49     int Bensin;
50
51     public Transportasi(String Warna, String Merk, int Bensin){
52         this.Warna = Warna;
53         this.Merk = Merk;
54         this.Bensin = Bensin;
55     }
56
57     public void BelokKanan(){
58         System.out.println("Kendaraan " + Merk + " Belok Kanan.");
59     }
60
61     public void BelokKiri(){
62         System.out.println("Kendaraan " + Merk + " Belok Kiri.");
63     }

```

```

65     public void CekBensin(){
66         System.out.println("Kendaraan " + Merk + " Sisa Bensin : " + Bensin);
67     }
68     public void Jenis(){
69         System.out.println("Kendaraan anda adalah " + Merk + " dengan warna " + Warna);
70     }
71 }
72
73 class Motor extends Transportasi{
74     public Motor(String warna, String merk, int bensin){
75         super(warna, merk, bensin);
76     }
77
78     public void starterMotor(){
79         if(Bensin > 0){
80             System.out.println("Motor " + Merk + " Bisa Berjalan!");
81         } else{
82             System.out.println("Motor " + Merk);
83             System.out.println("Bensin habis! Motor tidak bisa berjalan!");
84         }
85     }
86 }

```

```

88  class Mobil extends Transportasi{
89      public Mobil(String warna, String merk, int bensin){
90          super(warna, merk, bensin);
91      }
92
93      public void starterMobil(){
94          if(Bensin > 0){
95              System.out.println("Mobil " + Merk + " Bisa Berjalan!");
96          } else{
97              System.out.println("Mobil " + Merk);
98              System.out.println("Bensin habis! Mobil tidak bisa berjalan!");
99          }
100     }
101 }

```

Output:

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

• PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024\Pert 2\Code> javac --release 8 Kendaraan.java
warning: [options] source value 8 is obsolete and will be removed in a future release
warning: [options] target value 8 is obsolete and will be removed in a future release
warning: [options] To suppress warnings about obsolete options, use -Xlint:-options.
3 warnings
• PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024\Pert 2\Code> java Kendaraan
Kendaraan Motor Beat Sisa Bensin : 10
Kendaraan anda adalah Motor Beat dengan warna Merah
Motor Motor Beat Bisa Berjalan!
Kendaraan Motor Beat Belok Kanan.
Kendaraan Motor Beat Belok Kiri.
-----

Kendaraan Motor Fazzio Sisa Bensin : 0
Kendaraan anda adalah Motor Fazzio dengan warna Hijau Tosca
Motor Motor Fazzio
Bensin habis! Motor tidak bisa berjalan!
Kendaraan Motor Fazzio Belok Kanan.
Kendaraan Motor Fazzio Belok Kiri.
-----

Kendaraan Ferrari Sisa Bensin : 20
Kendaraan anda adalah Ferrari dengan warna Biru Langit
Mobil Ferrari Bisa Berjalan!
Kendaraan Ferrari Belok Kanan.
Kendaraan Ferrari Belok Kiri.
-----

Kendaraan Koenigsegg Sisa Bensin : 0
Kendaraan anda adalah Koenigsegg dengan warna Hijau Sage
Mobil Koenigsegg
Bensin habis! Mobil tidak bisa berjalan!
Kendaraan Koenigsegg Belok Kanan.
Kendaraan Koenigsegg Belok Kiri.
-----

○ PS D:\Johan\Kuliah\Mata Kuliah Semester 7\Praktikum\RPL 2\M1_19 Okt 2024\Pert 2\Code>

```