

**LAPORAN PRAKTIKUM
MODUL 2
CLASS DAN OBJECT
PRAKTIKUM PEMROGRAMAN
BERORIENTASI OBJEK**



**Senopati Bkti W
L200190143
Praktikum PBO D**

INFORMATIKA

FAKULTAS KOMUNIKASI DAN
INFORMATIKA

UNIVERSITAS MUHAMMADIYAH
SURAKARTA

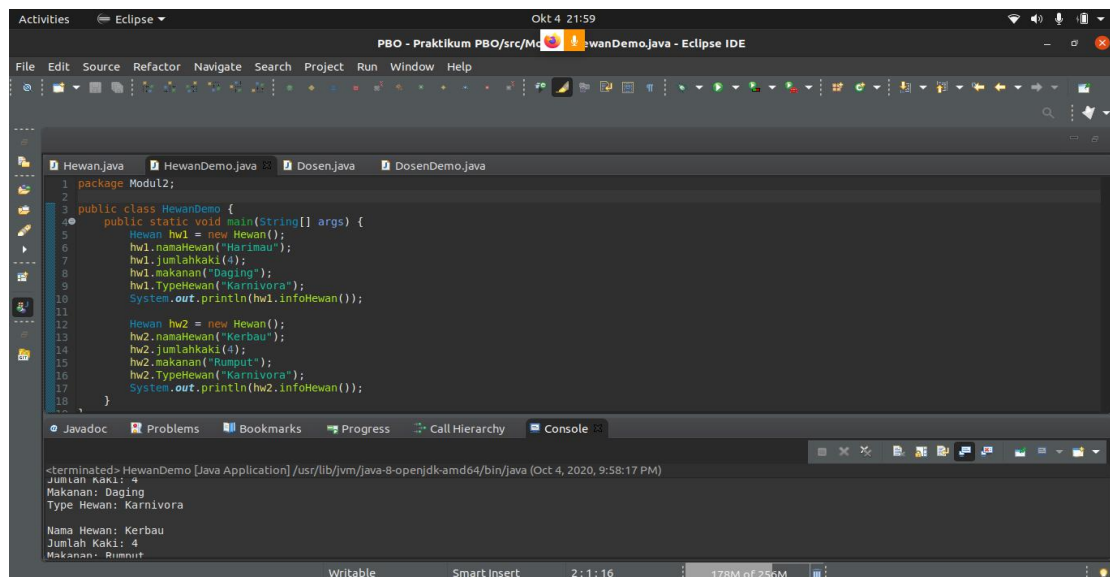
2020

TUGAS

1. Buatlah class Hewan dan juga ciptakan object dari class tersebut sehingga kita bisa membuat berbagai macam object hewan dengan karakternya masing-masing! Kode program akan menghasilkan output seperti berikut.

Nama Hewan : Harimau
Jumlah Kaki : 4
Makanan : Daging
Type Hewan : Karnivora

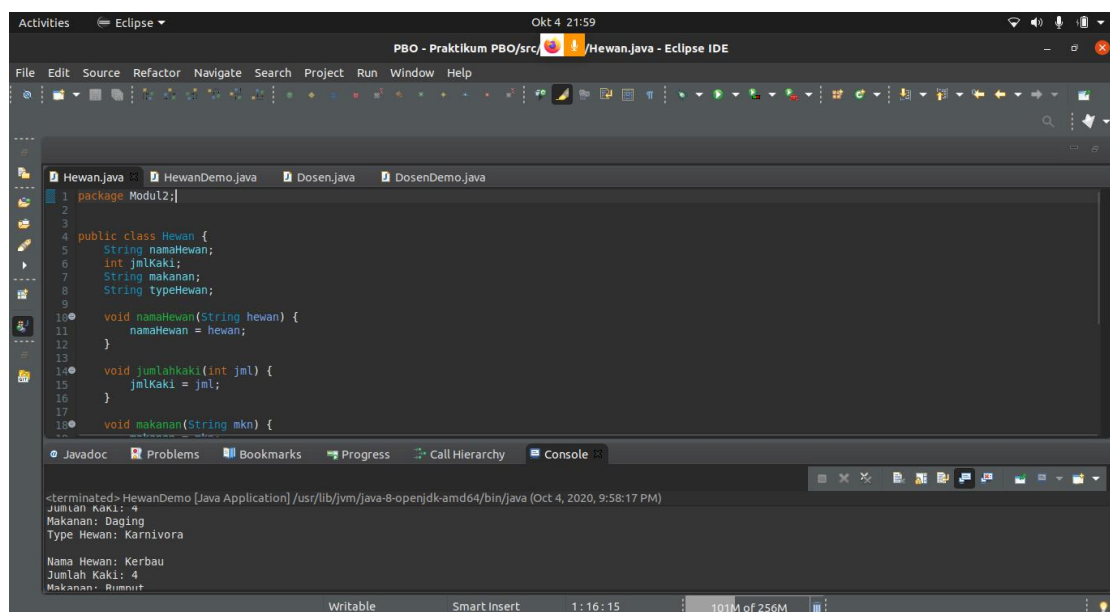
Nama Hewan : Kerbau
Jumlah Kaki : 4
Makanan : Rumput
Type Hewan : Karnivora



```
1 package Modul2;
2
3 public class HewanDemo {
4     public static void main(String[] args) {
5         Hewan hw1 = new Hewan();
6         hw1.namaHewan("Harimau");
7         hw1.jumlahKaki(4);
8         hw1.makanan("Daging");
9         hw1.TypeHewan("Karnivora");
10        System.out.println(hw1.infoHewan());
11
12        Hewan hw2 = new Hewan();
13        hw2.namaHewan("Kerbau");
14        hw2.jumlahKaki(4);
15        hw2.makanan("Rumput");
16        hw2.TypeHewan("Karnivora");
17        System.out.println(hw2.infoHewan());
18    }
19 }
```

<terminated> HewanDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 9:58:17 PM)
Jumlah Kaki: 4
Makanan: Daging
Type Hewan: Karnivora

Nama Hewan: Kerbau
Jumlah Kaki: 4
Makanan: Rumput



```
1 package Modul2;
2
3
4 public class Hewan {
5     String namaHewan;
6     int jmlKaki;
7     String makanan;
8     String typeHewan;
9
10    void namaHewan(String hewan) {
11        namaHewan = hewan;
12    }
13
14    void jumlahKaki(int jml) {
15        jmlKaki = jml;
16    }
17
18    void makanan(String mkn) {
19
20    }
21 }
```

<terminated> HewanDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 9:58:17 PM)
Jumlah Kaki: 4
Makanan: Daging
Type Hewan: Karnivora

Nama Hewan: Kerbau
Jumlah Kaki: 4
Makanan: Rumput

The screenshot shows the Eclipse IDE with the file `Hewan.java` open. The code defines a `Hewan` class with methods `makanan`, `TypeHewan`, and `infoHewan`. The console output shows the results of running `HewanDemo`:

```
<terminated> HewanDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 9:58:17 PM)
Makanan: Daging
Type Hewan: Karnivora

Nama Hewan: Kerbau
Jumlah Kaki: 4
Makanan: Ruminant
```

1. A. Dosen

The screenshot shows the Eclipse IDE with the file `DosenDemo.java` open. The code defines a `DosenDemo` class with a `main` method that creates a `Dosen` object and prints its details. The console output shows the results of running `DosenDemo`:

```
<terminated> DosenDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 10:07:46 PM)
==== Berikut ini adalah profil dosen UMS ====
Nama      : Mamankk Puntenn
Pendidikan : S1 Informatika UMS , S2 Havard Data Science
Tanggal Lahir : 11 Januari 1993
NIK       : 311400001
```

Activities Eclipse Okt 4 22:11

PBO - Praktikum PBO/src/Dosen.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Hewan.java HewanDemo.java Dosen.java DosenDemo.java

```
1 package Modul2;
2
3 public class Dosen {
4     String nama;
5     int nik;
6     String pendidikan;
7     String tglLahir;
8
9     void tampilkanNama(String namadosen, String pndkn) {
10        nama = namadosen;
11        pendidikan = pndkn;
12        System.out.print("Nama      : " + nama + "\n"
13            + "Pendidikan : " + pendidikan + "\n");
14    }
15
16    void tampilkanTglLahir(String tgl) {
17        tglLahir = tgl;
18        System.out.print("Tanggal Lahir : " + tglLahir + "\n");
19    }
20 }
```

JavaDoc Problems Bookmarks Progress Call Hierarchy Console

<terminated> DosenDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 10:07:46 PM)

```
==== Berikut ini adalah profil dosen UMS ====
Nama      : Mamankk Puntenn
Pendidikan : S1 Informatika UMS , S2 Havard Data Science
Tanggal Lahir : 11 Januari 1993
NIK       : 311400001
```

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Activities Eclipse Okt 4 22:11

PBO - Praktikum PBO/src/Dosen.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Hewan.java HewanDemo.java Dosen.java DosenDemo.java

```
19 void tampilkanNama(String namadosen, String pndkn) {
20     nama = namadosen;
21     pendidikan = pndkn;
22     System.out.print("Nama      : " + nama + "\n"
23         + "Pendidikan : " + pendidikan + "\n");
24 }
25
26 void tampilkanTglLahir(String tgl) {
27     tglLahir = tgl;
28     System.out.print("Tanggal Lahir : " + tglLahir + "\n");
29 }
30
31 void tampilkanNik(int niknya) {
32     nik = niknya ;
33     System.out.print("NIK       : " + nik + "\n");
34 }
35 }
```

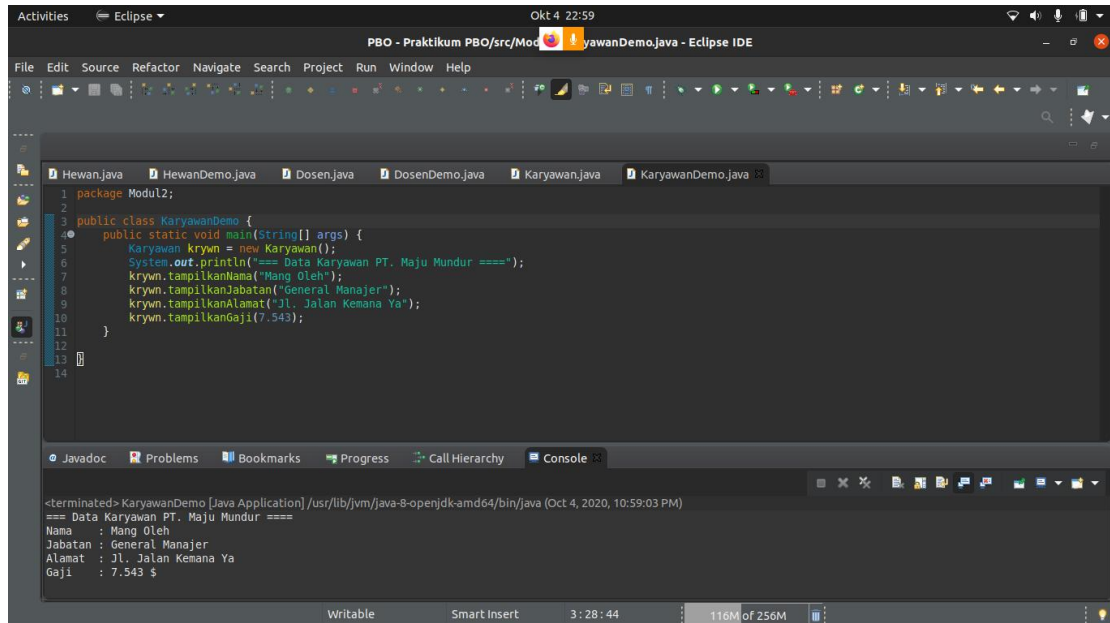
JavaDoc Problems Bookmarks Progress Call Hierarchy Console

<terminated> DosenDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 10:07:46 PM)

```
==== Berikut ini adalah profil dosen UMS ====
Nama      : Mamankk Puntenn
Pendidikan : S1 Informatika UMS , S2 Havard Data Science
Tanggal Lahir : 11 Januari 1993
NIK       : 311400001
```

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B. Karyawan

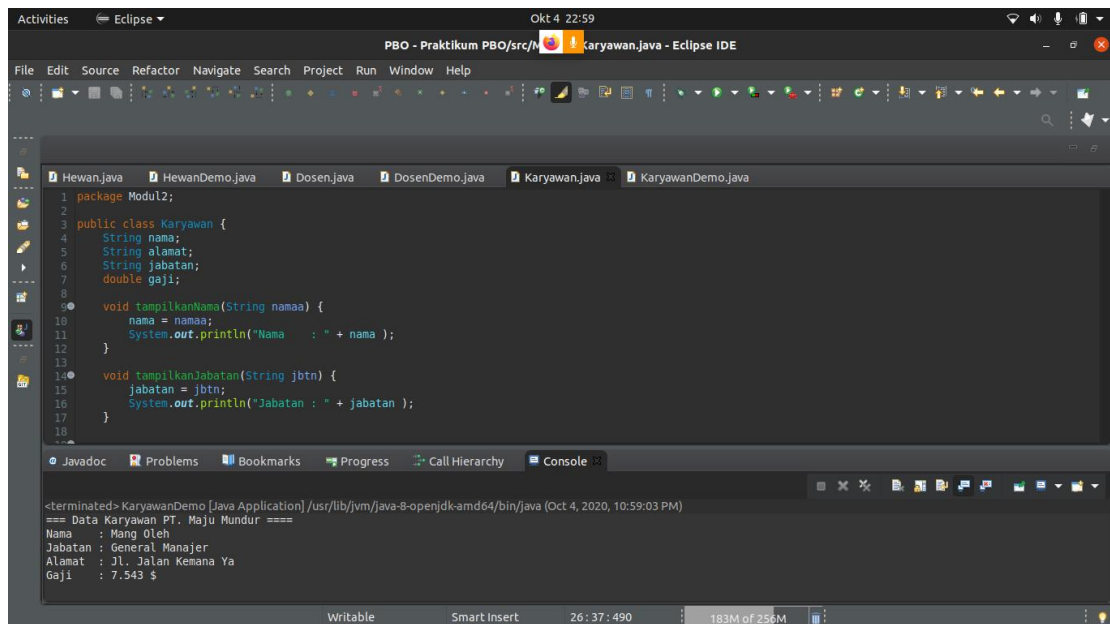


The screenshot shows the Eclipse IDE with the file `KaryawanDemo.java` open. The code defines a `KaryawanDemo` class with a `main` method that creates a `Karyawan` object and calls its `tampilkanNama`, `tampilkanJabatan`, `tampilkanAlamat`, and `tampilkanGaji` methods. The console output shows the results of these method calls.

```
1 package Modul2;
2
3 public class KaryawanDemo {
4     public static void main(String[] args) {
5         Karyawan krywn = new Karyawan();
6         System.out.println("=== Data Karyawan PT. Maju Mundur ===");
7         krywn.tampilkanNama("Mang Oleh");
8         krywn.tampilkanJabatan("General Manajer");
9         krywn.tampilkanAlamat("Jl. Jalan Kemana Ya");
10        krywn.tampilkanGaji(7.543);
11    }
12
13
14 }
```

Console Output:

```
<terminated> KaryawanDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 10:59:03 PM)
=== Data Karyawan PT. Maju Mundur ===
Nama    : Mang Oleh
Jabatan  : General Manajer
Alamat   : Jl. Jalan Kemana Ya
Gaji     : 7.543 $
```



The screenshot shows the Eclipse IDE with the file `Karyawan.java` open. The code defines a `Karyawan` class with attributes `nama`, `alamat`, `jabatan`, and `gaji`. It also includes methods `tampilkanNama` and `tampilkanJabatan` that print the values of these attributes. The console output shows the results of these method calls.

```
1 package Modul2;
2
3 public class Karyawan {
4     String nama;
5     String alamat;
6     String jabatan;
7     double gaji;
8
9     void tampilkanNama(String namaa) {
10        nama = namaa;
11        System.out.println("Nama    : " + nama );
12    }
13
14    void tampilkanJabatan(String jbtn) {
15        jabatan = jbtn;
16        System.out.println("Jabatan : " + jabatan );
17    }
18
19 }
```

Console Output:

```
<terminated> KaryawanDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 10:59:03 PM)
=== Data Karyawan PT. Maju Mundur ===
Nama    : Mang Oleh
Jabatan  : General Manajer
Alamat   : Jl. Jalan Kemana Ya
Gaji     : 7.543 $
```

The screenshot shows the Eclipse IDE interface. The main editor displays the `Karyawan.java` file with the following code:

```
14 void tampilkanJabatan(String jbtn) {
15     jabatan = jbtn;
16     System.out.println("Jabatan : " + jabatan );
17 }
18
19 void tampilkanAlamat(String almt) {
20     alamat = almt;
21     System.out.println("Alamat : " + alamat );
22 }
23
24 void tampilkanGaji(double gj) {
25     gaji = gj;
26     System.out.println("Gaji : " + gaji + " $");
27 }
28
29 }
30
```

The console window at the bottom shows the output of the `KaryawanDemo` application:

```
<terminated> KaryawanDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 10:59:03 PM)
=== Data Karyawan PT. Maju Mundur ===
Nama    : Mang Oleh
Jabatan : General Manajer
Alamat  : Jl. Jalan Kemana Ya
Gaji    : 7.543 $
```

C. Mahasiswa

The screenshot shows the Eclipse IDE interface. The main editor displays the `Mahasiswa.java` file with the following code:

```
1 package Modul2;
2
3 public class Mahasiswa {
4     String nama;
5     String nim;
6     String alamat;
7     int semester;
8
9     void tampilkanNama(String namaa) {
10         nama = namaa;
11         System.out.println("Nama : " + nama );
12     }
13
14     void tampilkanNIM(String NIM) {
15         nim = NIM;
16         System.out.println("NIM : " + nim );
17     }
18 }

```

The console window at the bottom shows the output of the `MahasiswaDemo` application:

```
<terminated> MahasiswaDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 11:19:41 PM)
Menampilkan Informasi Mahasiswa ---
Nama    : Seno Madang Koro
NIM     : L200190143
Alamat  : Jalan Kenangan
Semester: 3
```


Activities Eclipse Okt 4 23:21

PBO - Praktikum PBO/src/Mod... Mahasiswa.java - Eclipse IDE

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Hewan.java HewanDemo.java Dosen.java DosenDemo.java Karyawan.java KaryawanDemo.java Mahasiswa.java MahasiswaDemo.java

```
12 }
13
14 void tampilkanNIM(String NIM) {
15     nim = NIM;
16     System.out.println("NIM : " + nim);
17 }
18
19 void tampilkanAlamat(String almt) {
20     alamat = almt;
21     System.out.println("Alamat : " + alamat);
22 }
23
24 void tampilkanSemester(int smstr) {
25     semester = smstr;
26     System.out.println("Semester: " + semester);
27 }
28 }
29
```

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<terminated> MahasiswaDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 11:19:41 PM)

Menampilkan Informasi Mahasiswa ____

Nama : Seno Madang Koro

NIM : L200190143

Alamat : Jalan Kenangan

Semester: 3

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Activities Eclipse Okt 4 23:21

PBO - Praktikum PBO/src/Mod... asiswaDemo.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Hewan.java HewanDemo.java Dosen.java DosenDemo.java Karyawan.java KaryawanDemo.java Mahasiswa.java MahasiswaDemo.java

```
1 package Modul2;
2
3 public class MahasiswaDemo {
4     public static void main(String[] args) {
5         Mahasiswa mhs = new Mahasiswa();
6         System.out.println("Menampilkan Informasi Mahasiswa ____");
7         mhs.tampilkanNama("Seno Madang Koro");
8         mhs.tampilkanNIM("L200190143");
9         mhs.tampilkanAlamat("Jalan Kenangan");
10        mhs.tampilkanSemester(3);
11    }
12 }
13
14
```

JavaDoc Problems Bookmarks Progress Call Hierarchy Console

<terminated> MahasiswaDemo [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (Oct 4, 2020, 11:19:41 PM)

Menampilkan Informasi Mahasiswa ____

Nama : Seno Madang Koro

NIM : L200190143

Alamat : Jalan Kenangan

Semester: 3

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