

**LAPORAN PRAKTIKUM  
MODUL 7  
ENCAPSULATION  
PRAKTIKUM PEMROGRAMAN BERORIENTASI OBJEK**



**Senopati Bkti W  
L200190143  
Praktikum PBO D**

**INFORMATIKA**

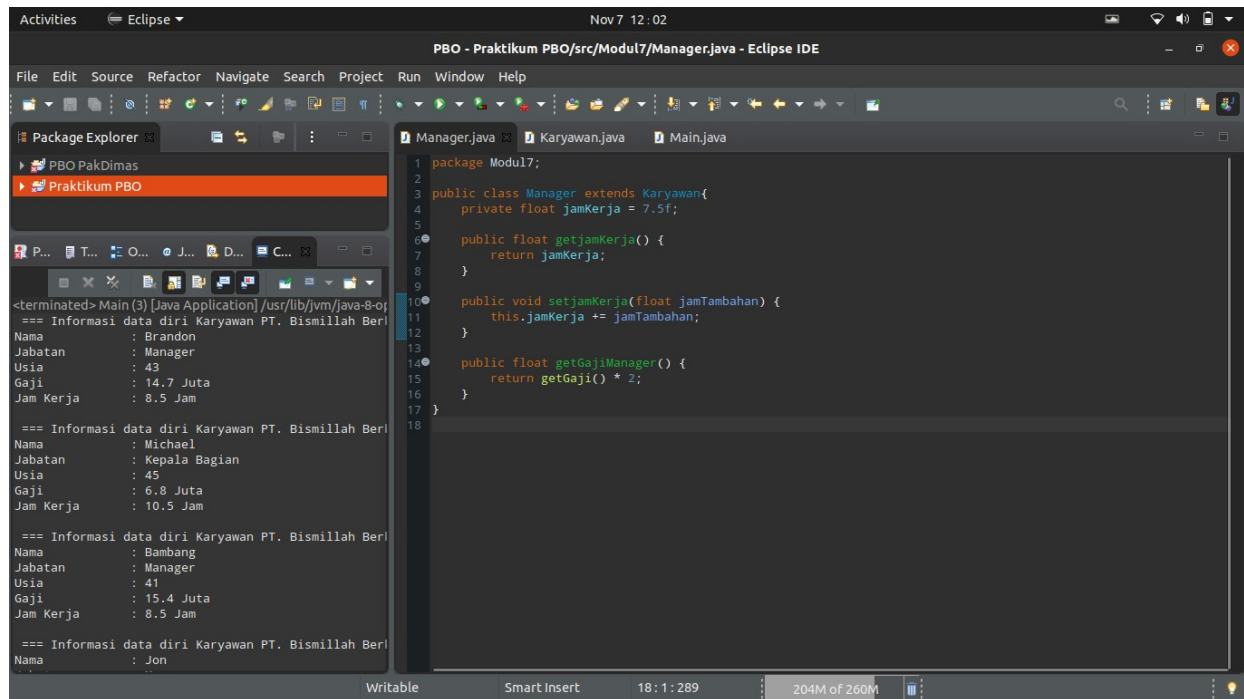
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**

**UNIVERSITAS MUHAMMADIYAH SURAKARTA**

**2020**

1. Buatlah class dengan fungsi main() dan 5 objek berbeda yang dihasilkan dari class Manager. Kemudian melalui object tersebut tampilkan nilai private variable dari class Manager dan class Karyawan.

2. Tambahkan setter pada class Manager untuk memodifikasi nilai baru jamKerja menjadi 8.5!



```
package Modul7;

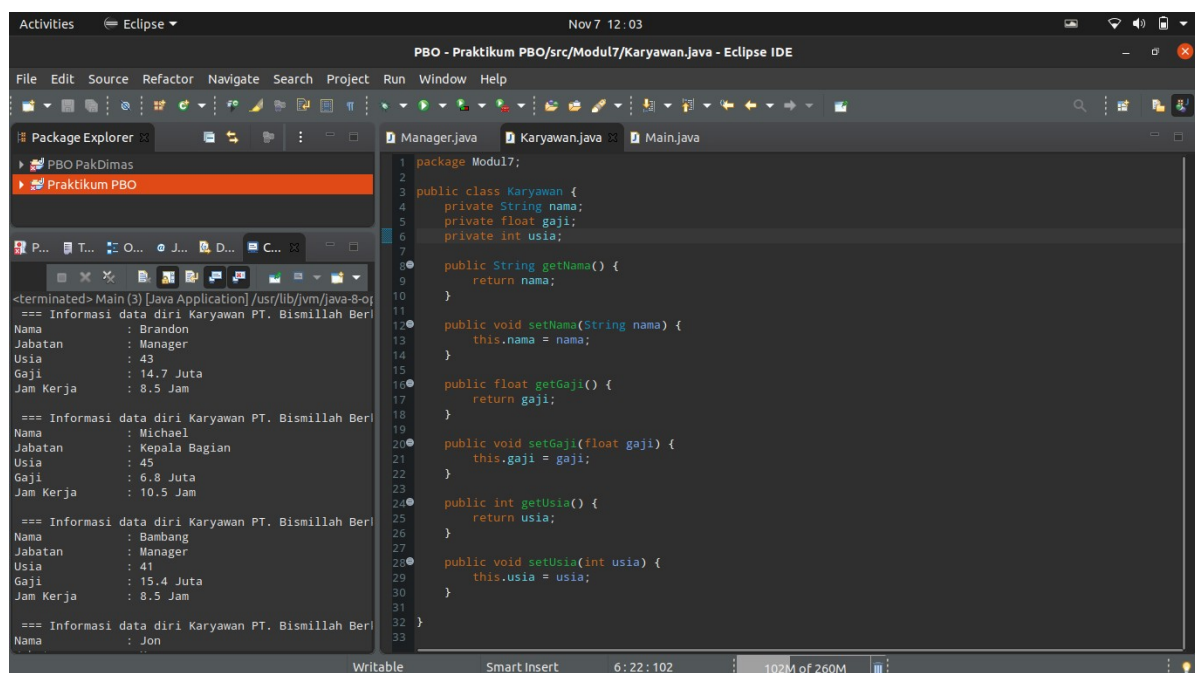
public class Manager extends Karyawan{
    private float jamKerja = 7.5f;

    public float getjamKerja() {
        return jamKerja;
    }

    public void setjamKerja(float jamTambahan) {
        this.jamKerja += jamTambahan;
    }

    public float getGajiManager() {
        return getGaji() * 2;
    }
}
```

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```
package Modul7;

public class Karyawan {
    private String nama;
    private float gaji;
    private int usia;

    public String getName() {
        return nama;
    }

    public void setName(String nama) {
        this.nama = nama;
    }

    public float getGaji() {
        return gaji;
    }

    public void setGaji(float gaji) {
        this.gaji = gaji;
    }

    public int getUsia() {
        return usia;
    }

    public void setUsia(int usia) {
        this.usia = usia;
    }
}
```

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PBO - Praktikum PBO/src/Modul7/Main.java - Eclipse IDE

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Package Explorer PBO PakDimas Praktikum PBO

Manager.java Karyawan.java Main.java

```
1 package Modul7;
2
3 public class Main {
4     public static void main(String[] args) {
5         Manager mg1 = new Manager();
6         mg1.setName("Brandon");
7         mg1.setUsia(43);
8         mg1.setGaji(7.35f);
9         mg1.setjamKerja(1);
10
11         Manager mg2 = new Manager();
12         mg2.setName("Michael");
13         mg2.setUsia(45);
14         mg2.setGaji(6.8f);
15         mg2.setjamKerja(3);
16
17         Manager mg3 = new Manager();
18         mg3.setName("Bambang");
19         mg3.setUsia(41);
20         mg3.setGaji(7.7f);
21         mg3.setjamKerja(1);
22
23         Manager mg4 = new Manager();
24         mg4.setName("Jon");
25         mg4.setUsia(48);
26         mg4.setGaji(9.5f);
27         mg4.setjamKerja(1);
28
29         Manager mg5 = new Manager();
30         mg5.setName("Budi");
31         mg5.setUsia(40);
32         mg5.setGaji(8.9f);
33         mg5.setjamKerja(4);
34     }
35 }
```

<terminated> Main (3) [Java Application] /usr/lib/jvm/java-8-or...  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Brandon  
Jabatan : Manager  
Usia : 43  
Gaji : 14.7 Juta  
Jam Kerja : 8.5 Jam  
  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Michael  
Jabatan : Kepala Bagian  
Usia : 45  
Gaji : 6.8 Juta  
Jam Kerja : 10.5 Jam  
  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Bambang  
Jabatan : Manager  
Usia : 41  
Gaji : 15.4 Juta  
Jam Kerja : 8.5 Jam  
  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Jon

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Activities Eclipse Nov 7 12:03

PBO - Praktikum PBO/src/Modul7/Main.java - Eclipse IDE

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Package Explorer PBO PakDimas Praktikum PBO

Manager.java Karyawan.java Main.java

```
29 Manager mg5 = new Manager();
30 mg5.setName("Budi");
31 mg5.setUsia(40);
32 mg5.setGaji(8.9f);
33 mg5.setjamKerja(4);
34
35 System.out.println("=== Informasi data diri Karyawan PT. Bismillah Berkah === " + "\n" +
36 "Nama : " + mg1.getName() + "\n" +
37 "Jabatan : Manager " + "\n" +
38 "Usia : " + mg1.getUsia() + "\n" +
39 "Gaji : " + mg1.getGajiManager() + " Juta " + "\n" +
40 "Jam Kerja : " + mg1.getjamKerja() + " Jam" + "\n" );
41
42 System.out.println("=== Informasi data diri Karyawan PT. Bismillah Berkah === " + "\n" +
43 "Nama : " + mg2.getName() + "\n" +
44 "Jabatan : Kepala Bagian" + "\n" +
45 "Usia : " + mg2.getUsia() + "\n" +
46 "Gaji : " + mg2.getGaji() + " Juta " + "\n" +
47 "Jam Kerja : " + mg2.getjamKerja() + " Jam" + "\n" );
48
49 System.out.println("=== Informasi data diri Karyawan PT. Bismillah Berkah === " + "\n" +
50 "Nama : " + mg3.getName() + "\n" +
51 "Jabatan : Manager " + "\n" +
52 "Usia : " + mg3.getUsia() + "\n" +
53 "Gaji : " + mg3.getGajiManager() + " Juta " + "\n" +
54 "Jam Kerja : " + mg3.getjamKerja() + " Jam" + "\n" );
55
56 System.out.println("=== Informasi data diri Karyawan PT. Bismillah Berkah === " + "\n" +
57 "Nama : " + mg4.getName() + "\n" +
58 "Jabatan : Manager " + "\n" +
59 "Usia : " + mg4.getUsia() + "\n" +
60 "Gaji : " + mg4.getGajiManager() + " Juta " + "\n" +
61 "Jam Kerja : " + mg4.getjamKerja() + " Jam" + "\n" );
62
```

<terminated> Main (3) [Java Application] /usr/lib/jvm/java-8-or...  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Brandon  
Jabatan : Manager  
Usia : 43  
Gaji : 14.7 Juta  
Jam Kerja : 8.5 Jam  
  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Michael  
Jabatan : Kepala Bagian  
Usia : 45  
Gaji : 6.8 Juta  
Jam Kerja : 10.5 Jam  
  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Bambang  
Jabatan : Manager  
Usia : 41  
Gaji : 15.4 Juta  
Jam Kerja : 8.5 Jam  
  
=== Informasi data diri Karyawan PT. Bismillah Berl  
Nama : Jon

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