Praktikum 4 - PBO

Sri Aspari — G.131.20.0045

Screenshot

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                                           public class Dosen {
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                                                protected String nama, nik, jurusan;

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                                                Dosen (String nama, String nik, String jurusan) {
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                                                   this.nama = nama;
                                                   this.nik = nik;
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                                                   this.jurusan = jurusan;
     > file External Libraries

Scratches and Consoles

                                                public void view()
                                                   System.out.println("Nama\t: "+nama);
                                                   System.out.println("Nik\t\t: "+nik);
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                                                   System.out.println("Jurusan\t: "+jurusan);
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Figure 1. Dosen.java

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       > 🗀 .idea
                                           public class Rektor extends Dosen {
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                                               private final int thnMulai, jabatanKe;

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           © Dekan
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                                               Rektor(String nama, String nik, String jurusan, int thnMulai, int jabatanKe) {
           C Kalab
        O Main
                                                  super(nama, nik, jurusan);
                                                   this.thnMulai = thnMulai;
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         .gitignore
                                                   this.jabatanKe = jabatanKe;
     > Ifh External Libraries
       Scratches and Consoles
                                     10
                                               //menampilkan informasi
                                               public void viewRektor() {
                                                   System.out.println("Tahun mulai jabatan\t: " + this.thnMulai);
                                                   System.out.println("Jabatan Rektor ke\t: " + this.jabatanKe);
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Figure 2. Rektor.java

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      > 🗀 .idea
                                        public class Dekan extends Dosen {
      > 🗀 images
                                           private final String fakultas;

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          © Dekan
          © Dosen
                                           Dekan (String nama, String nik, String jurusan, String fakultas) {
          C Kalab
                                            super (nama, nik, jurusan);
     © Main
                                              this.fakultas = fakultas;
          © Rektor
        ⊘ .gitignore
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      Scratches and Consoles
                                   public void viewDekan() {
                                               System.out.println("Fakultas\t: "+ fakultas);
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Figure 3. Dekan.java

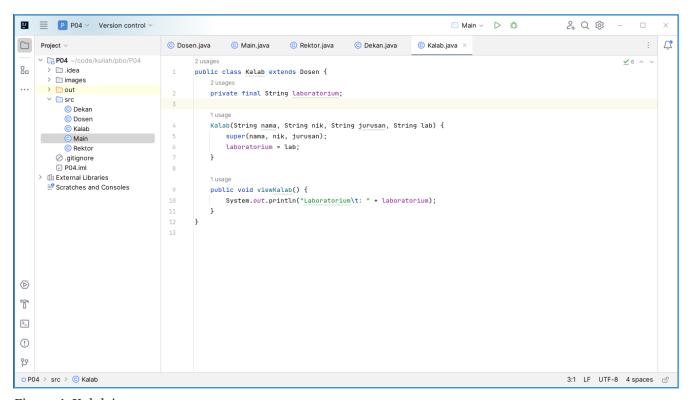


Figure 4. Kalab.java

```
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     P04 ~/code/kuliah/pbo/P04
                                    1 D public class Main {
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      > 🗀 .idea
                                             public static void main(String[] args) {
                                                // Rektor
      > images
                                                Rektor rektor = new Rektor( nama: "Andi", nik: "999901", jurusan: "Manajemen", thnMulai: 2018, jabatanKe: 2);
      ∨ □ src
                                                rektor.view();
          © Dekan
                                                rektor.viewRektor();
          © Dosen
          C Kalab
                                                System.out.println("======"");
     © Main
          © Rektor
                                                Dekan dekan = new Dekan( nama: "Ahmad", nik: "999902", jurusan: "Teknik Mesin", fakultas: "TI");
        .gitignore
                                   10
    > fill External Libraries
                                                dekan.viewDekan();

Scratches and Consoles

                                                System.out.println("=======");
                                                Kalab kalab = new Kalab( nama: "Indah", nik: "999903", jurusan: "Informatika", lab: "Database");
                                                kalab.view();
                                   18
                                                kalab.viewKalab();
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Figure 5. Main.java

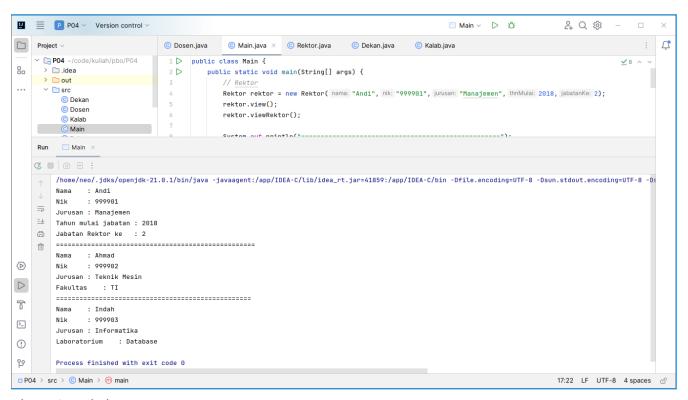


Figure 6. Main.java

Source Code

```
public class Dosen {
   protected String nama, nik, jurusan;

   Dosen (String nama, String nik, String jurusan) {
      this.nama = nama;
      this.nik = nik;
      this.jurusan = jurusan;
   }

   public void view()
   {
      System.out.println("Nama\t: "+nama);
      System.out.println("Nik\t\t: "+nik);
      System.out.println("Jurusan\t: "+jurusan);
   }
}
```

```
public class Rektor extends Dosen {
    private final int thnMulai, jabatanKe;

    Rektor(String nama, String nik, String jurusan, int thnMulai, int jabatanKe) {
        super(nama, nik, jurusan);
        this.thnMulai = thnMulai;
        this.jabatanKe = jabatanKe;
    }

    //menampilkan informasi
    public void viewRektor() {
        System.out.println("Tahun mulai jabatan\t: " + this.thnMulai);
        System.out.println("Jabatan Rektor ke\t: " + this.jabatanKe);
    }
}
```

```
// Dekan.java

public class Dekan extends Dosen {
    private final String fakultas;

    Dekan (String nama, String nik, String jurusan, String fakultas) {
        super (nama, nik, jurusan);
        this.fakultas = fakultas;
    }
}
```

```
public void viewDekan() {
        System.out.println("Fakultas\t: "+ fakultas);
}
```

```
public class Kalab extends Dosen {
    private final String laboratorium;

    Kalab(String nama, String nik, String jurusan, String lab) {
        super(nama, nik, jurusan);
        laboratorium = lab;
    }

    public void viewKalab() {
        System.out.println("Laboratorium\t: " + laboratorium);
    }
}
```

```
// Main.java
public class Main {
   public static void main(String[] args) {
       // Rektor
       Rektor rektor = new Rektor("Andi", "999901", "Manajemen", 2018, 2);
       rektor.view();
       rektor.viewRektor();
       System.out.println("=======");
       // Dekan
       Dekan dekan = new Dekan("Ahmad","999902","Teknik Mesin","TI");
       dekan.view();
       dekan.viewDekan();
       System.out.println("========");
       // Kalab
       Kalab kalab = new Kalab("Indah", "999903", "Informatika", "Database");
       kalab.view();
       kalab.viewKalab();
   }
}
```