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Kelas : D

Mata Kuliah : Praktikum PBO

MODUL 2

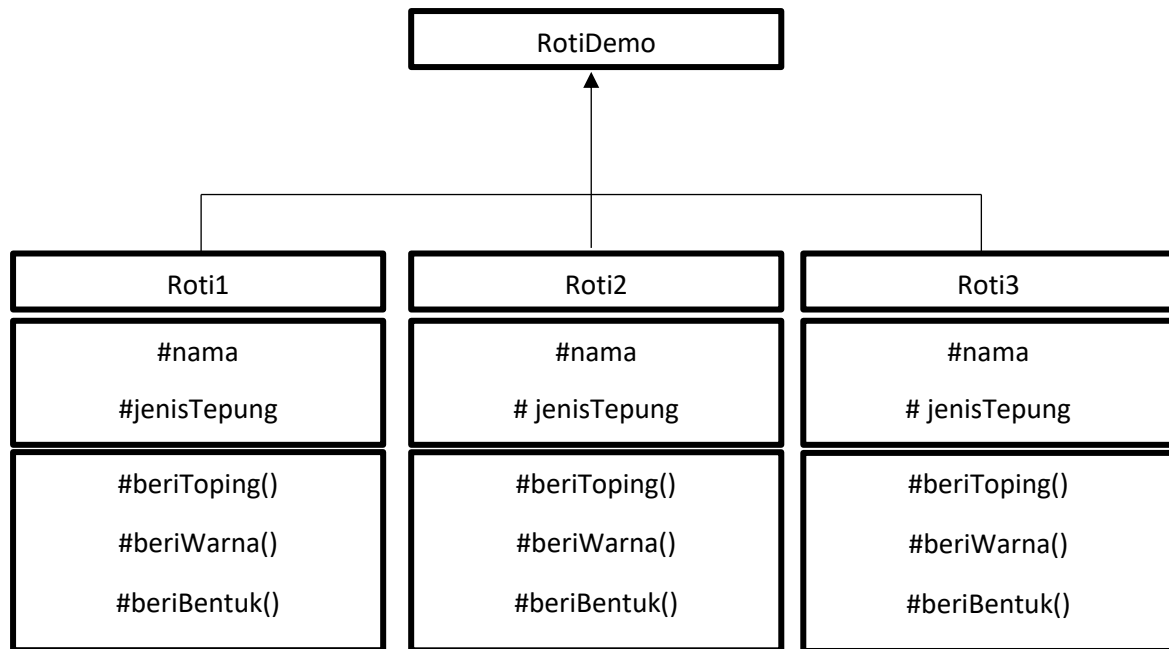
2.4 LATIHAN

1.

```
App.java RotiDemo.java Roti.java Car.java
src > RotiMe > RotiDemo.java > RotiDemo
1 package RotiMe;
2
3 public class RotiDemo {
4     public static void main (String[] args) {
5
6         Roti roti1 = new Roti();
7         roti1.nama = "Bolu";
8         roti1.jenisTepung = "Terigu";
9         roti1.changeTopping("keju");
10        roti1.changeWarna("hijau");
11        roti1.changeBentuk("balok");
12        roti1.info();
13
14        Roti roti2 = new Roti();
15        roti2.nama = "Tawar";
16        roti2.jenisTepung = "Gandum";
17        roti2.changeTopping("kismis");
18        roti2.changeWarna("coklat");
19        roti2.changeBentuk("kubus");
20        roti2.info();
21
22        Roti roti3 = new Roti();
23        roti3.nama = "Donat";
24        roti3.jenisTepung = "Terigu";
25        roti3.changeTopping("mesis");
26        roti3.changeWarna("kuning");
27        roti3.changeBentuk("cincin");
28        roti3.info();
29
30    }
31 }
```

```
App.java RotiDemo.java Roti.java Car.java
src > RotiMe > Roti.java > Roti
9 String info;
10
11 void changeWarna(String warnaRoti) {
12     beriWarna = warnaRoti;
13 }
14
15 void changeTopping(String isiTopping) {
16     beriTopping = isiTopping;
17 }
18
19 void changeBentuk(String buatBentuk) {
20     beriBentuk = buatBentuk;
21 }
22 void info() {
23     System.out.println(
24         "Roti : " + nama + "\n" +
25         "Tepung : " + jenisTepung + "\n" +
26         "Topping : " + beriTopping + "\n" +
27         "Warna : " + beriWarna + "\n" +
28         "Bentuk : " + beriBentuk);
29 }
30 }
```

2.

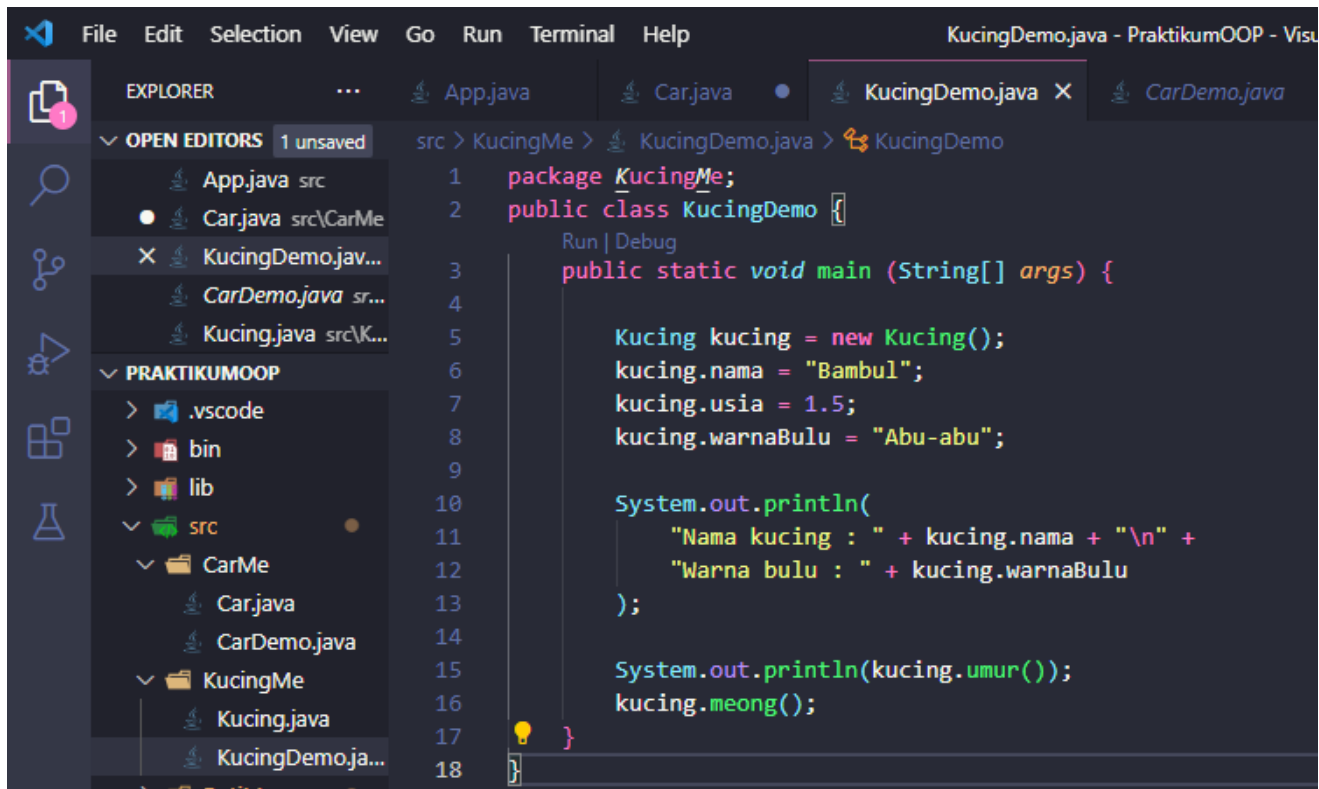


3.

```

File Edit Selection View Go Run Terminal Help
Car.java - PraktikumOOP - Visual Studio Code
EXPLORER
  OPEN EDITORS 2 unsaved
    App.java src
    Car.java src
    CarDemo.java src
    RotiDemo.j... 7
    Roti.java src
  PRAKTIKUMOOP
    .vscode
    bin
    lib
    src
      App.java
      Car.java
      CarDemo.java
      Roti.java
      RotiDemo.j... 7
      README.md
src > Car.java > Car
1 public class Car {
2     int throttle;
3     int speed;
4     int gear;
5     String info;
6
7     void changeCadence (int pedal) {
8         throttle = pedal;
9     }
10
11     void speedUp (int power) {
12         speed = power;
13     }
14
15     void changeGear (int handle) {
16         gear = handle;
17     }
18
19     void printInfo() {
20         System.out.println(
21             "pedal gas : " + throttle + "\n" +
22             "kecepatan : " + speed + "\n" +
23             "Gigi : " + gear);
24     }
25 }
  
```

4.

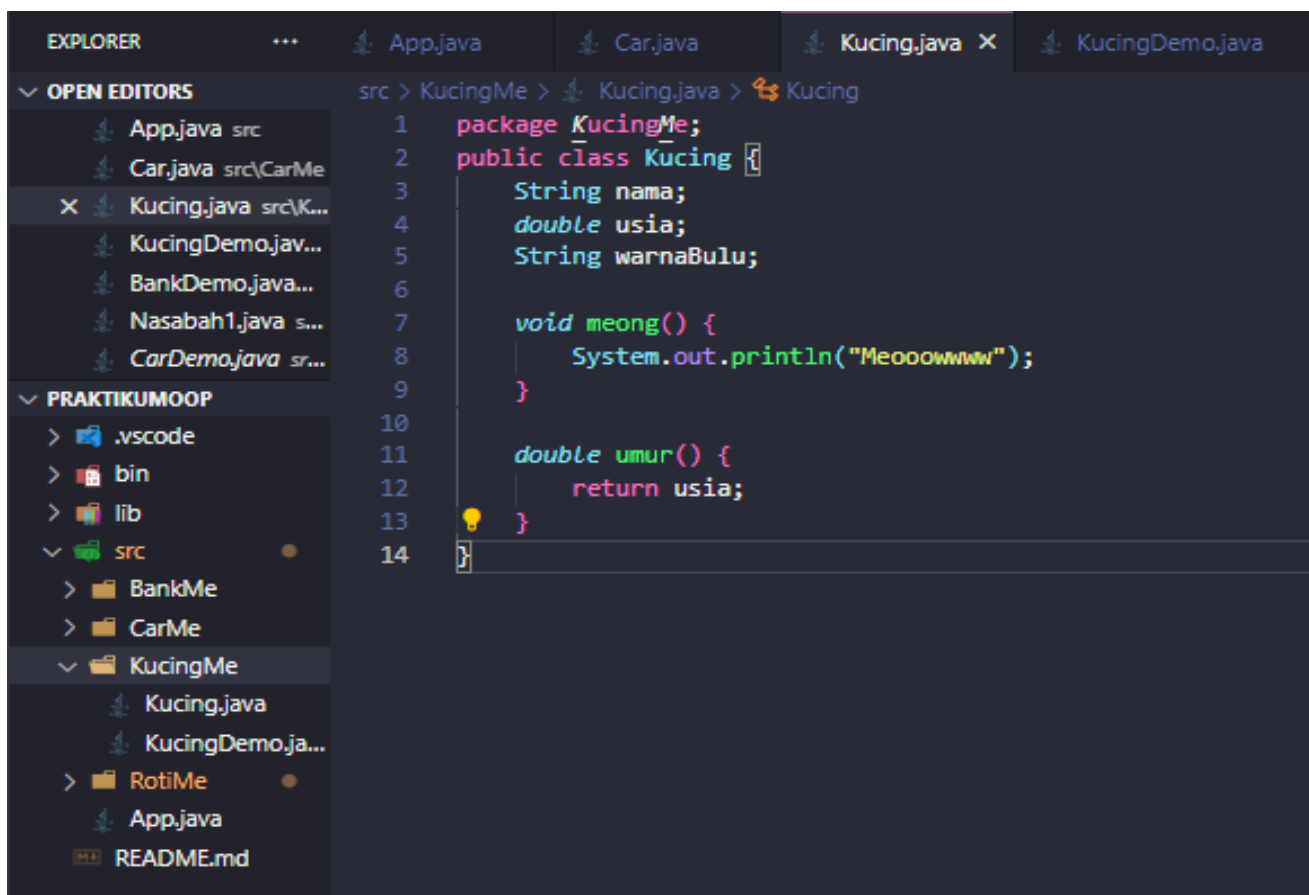


The screenshot shows the Visual Studio Code editor with the file `KucingDemo.java` open. The Explorer sidebar on the left shows the project structure under `PRAKTIKUMOOP`, including folders `.vscode`, `bin`, `lib`, `src`, `CarMe`, `KucingMe`, and `RotiMe`. The `src` folder is expanded, showing `CarMe` and `KucingMe`. The `KucingMe` folder is also expanded, showing `Kucing.java` and `KucingDemo.java`. The `KucingDemo.java` file is selected in the Explorer and is also the active editor. The code in the editor is as follows:

```

1 package KucingMe;
2 public class KucingDemo {
3     Run | Debug
4     public static void main (String[] args) {
5
6         Kucing kucing = new Kucing();
7         kucing.nama = "Bambul";
8         kucing.usia = 1.5;
9         kucing.warnaBulu = "Abu-abu";
10
11         System.out.println(
12             "Nama kucing : " + kucing.nama + "\n" +
13             "Warna bulu : " + kucing.warnaBulu
14         );
15
16         System.out.println(kucing.umur());
17         kucing.meong();
18     }
19 }

```



The screenshot shows the Visual Studio Code editor with the file `Kucing.java` open. The Explorer sidebar on the left shows the project structure under `PRAKTIKUMOOP`, including folders `.vscode`, `bin`, `lib`, `src`, `BankMe`, `CarMe`, `KucingMe`, `RotiMe`, and `App.java`. The `src` folder is expanded, showing `BankMe`, `CarMe`, `KucingMe`, `RotiMe`, and `App.java`. The `KucingMe` folder is also expanded, showing `Kucing.java` and `KucingDemo.java`. The `Kucing.java` file is selected in the Explorer and is also the active editor. The code in the editor is as follows:

```

1 package KucingMe;
2 public class Kucing {
3     String nama;
4     double usia;
5     String warnaBulu;
6
7     void meong() {
8         System.out.println("Meooooowwww");
9     }
10
11     double umur() {
12         return usia;
13     }
14 }

```

5. A.

```
src > BankMe > Nasabah1.java > Nasabah1
1  package BankMe;
2
3  public class Nasabah1 {
4
5      String nama = "Fariz Hafidz";
6      String no_rekening = "111-222-333";
7      double saldo = 10000;
8      double totalSaldo;
9
10     double cek_saldo() {
11         return saldo;
12     }
13
14     void menabung(double jumlahUang) {
15         System.out.println("Saldo : " + saldo);
16         totalSaldo = saldo + jumlahUang;
17         saldo = totalSaldo;
18         System.out.println(
19             "Menabung sebesar : " + jumlahUang + "\n" +
20             "Saldo sekarang : " + saldo);
21     }
22
23     void menarik(double jumlahUang) {
24         System.out.println("Saldo : " + saldo);
25         totalSaldo = saldo - jumlahUang;
26         saldo = totalSaldo;
27         System.out.println(
28             "Menarik sebesar : " + jumlahUang + "\n" +
29             "Saldo sekarang : " + saldo);
30     }
31
32     void transfer(double jumlahUang) {
33         System.out.println("Saldo : " + saldo);
34         totalSaldo = saldo - jumlahUang;
35         saldo = totalSaldo;
36         System.out.println(
37             "Nominal transfer : " + jumlahUang + "\n" +
38             "Saldo sekarang : " + saldo);
39     }
40 }
```

B.

```
src > BankMe > BankDemo.java > BankDemo > main(String[])
1  package BankMe;
2
3  public class BankDemo {
4      Run | Debug
5      public static void main (String[] args) {
6
7          Nasabah1 nsbh1 = new Nasabah1();
8
9          System.out.println(
10              "Nama Nasabah adalah : " + nsbh1.nama + "\n" +
11              "Nomor Rekening Nasabah : " + nsbh1.no_rekening);
12
13          nsbh1.menabung(5000);
14          nsbh1.menarik(1000);
15          nsbh1.transfer(2000);
16      }
17  }
```

6. <https://docs.oracle.com/javase/7/docs/api/java/lang/String.html>

2.5 PEKERJAAN RUMAH

1.

```
App.java HewanDemo.java Hewan.java RotiDemo.java
src > HewanMe > Hewan.java > Hewan
1 package HewanMe;
2
3 public class Hewan {
4
5     String nama;
6     int kaki;
7     String makan;
8     String tipe;
9     String info;
10
11     void getNama(String namaHewan) {
12         nama = namaHewan;
13     }
14
15     void getKaki(int kakiHewan) {
16         kaki = kakiHewan;
17     }
18
19     void getMakanan(String makanHewan) {
20         makan = makanHewan;
21     }
22
23     void getTipe(String tipeHewan) {
24         tipe = tipeHewan;
25     }
26
27     void info() {
28         System.out.println(
29             "Nama Hewan      : " + nama + "\n" +
30             "Jumlah Kaki       : " + kaki + "\n" +
31             "Makanan              : " + makan + "\n" +
32             "Type Hewan          : " + tipe);
33     }
34 }
```

```
App.java HewanDemo.java Hewan.java RotiDemo.java
src > HewanMe > HewanDemo.java > HewanDemo
1 package HewanMe;
2
3 public class HewanDemo {
4     Run | Debug
5     public static void main (String[] args) {
6
7         Hewan hewan1 = new Hewan();
8         hewan1.getNama("Harimau");
9         hewan1.getKaki(4);
10        hewan1.getMakanan("Daging");
11        hewan1.getTipe("Karnivora");
12        hewan1.info();
13
14        Hewan hewan2 = new Hewan();
15        hewan2.getNama("Kerbau");
16        hewan2.getKaki(4);
17        hewan2.getMakanan("Rumput");
18        hewan2.getTipe("Herbivora");
19        hewan2.info();
20    }
21 }
```

2.

```
App.java Dosen.java Karyawan.java Mahasiswa.java
src > UniversityMe > Dosen.java > Dosen
1 package UniversityMe;
2
3 import java.sql.Date;
4
5 public class Dosen {
6
7     String nama;
8     int nik;
9     String pendidikan;
10    Date tgllahir;
11
12    void tampilkanNama(String namaDosen){
13        nama = namaDosen;
14    }
15    void tampilkanTgllahir(Date tgllahirDosen){
16        tgllahir = tgllahirDosen;
17    }
18    void tampilkanNIK(int NIKDosen){
19        nik = NIKDosen;
20    }
21 }
```

```
App.java Dosen.java Karyawan.java Mahasiswa.java
src > UniversityMe > Karyawan.java > Karyawan
1 package UniversityMe;
2
3 public class Karyawan {
4
5     String nama;
6     String alamat;
7     String jabatan;
8     Double gaji;
9
10    void tampilkanNama(String namaKaryawan){
11        nama = namaKaryawan;
12    }
13    void tampilkanJabatan(String alamatKaryawan){
14        alamat = alamatKaryawan;
15    }
16    void tampilkanAlamat(String jabatanKaryawan){
17        jabatan = jabatanKaryawan;
18    }
19    void tampilkanGaji(Double gajiKaryawan){
20        gaji = gajiKaryawan;
21    }
22 }
```

```
App.java Dosen.java Karyawan.java Mahasiswa.java
src > UniversityMe > Mahasiswa.java > Mahasiswa
1 package UniversityMe;
2
3 public class Mahasiswa {
4
5     String nama;
6     String nim;
7     String alamat;
8     int semester;
9
10    void tampilkanNama(String namaMahasiswa){
11        nama = namaMahasiswa;
12    }
13    void tampilkanNIM(String nimMahasiswa){
14        nim = nimMahasiswa;
15    }
16    void tampilkanAlamat(String alamatMahasiswa){
17        alamat = alamatMahasiswa;
18    }
19    void tampilkanSemester(int semesterMahasiswa){
20        semester = semesterMahasiswa;
21    }
22 }
```