2.4 LATIHAN

1.

```java
package RotiMe;

public class RotiDemo {
    public static void main (String[] args) {

        Roti roti1 = new Roti();
        roti1.nama = "Bolu";
        roti1.jenisTepung = "Terigu";
        roti1.changeToping("keju");
        roti1.changeWarna("hijau");
        roti1.changeBentuk("balok");
        roti1.info();

        Roti roti2 = new Roti();
        roti2.nama = "Tawar";
        roti2.jenisTepung = "Gandum";
        roti2.changeToping("kismis");
        roti2.changeWarna("coklat");
        roti2.changeBentuk("kubus");
        roti2.info();

        Roti roti3 = new Roti();
        roti3.nama = "Donat";
        roti3.jenisTepung = "Terigu";
        roti3.changeToping("mesis");
        roti3.changeWarna("kuning");
        roti3.changeBentuk("cincin");
        roti3.info();

    }
}
```

```java
    String info;

    void changeWarna(String warnaRoti) {
        beriWarna = warnaRoti;
    }

    void changeToping(String isiToping) {
        beriToping = isiToping;
    }

    void changeBentuk(String buatBentuk) {
        beriBentuk = buatBentuk;
    }
    void info() {
        System.out.println(
            "Roti   : " + nama + "\n" +
            "Tepung : " + jenisTepung + "\n" +
            "Toping : " + beriToping + "\n" +
            "Warna  : " + beriWarna + "\n" +
            "Bentuk : " + beriBentuk);
    }
}
```
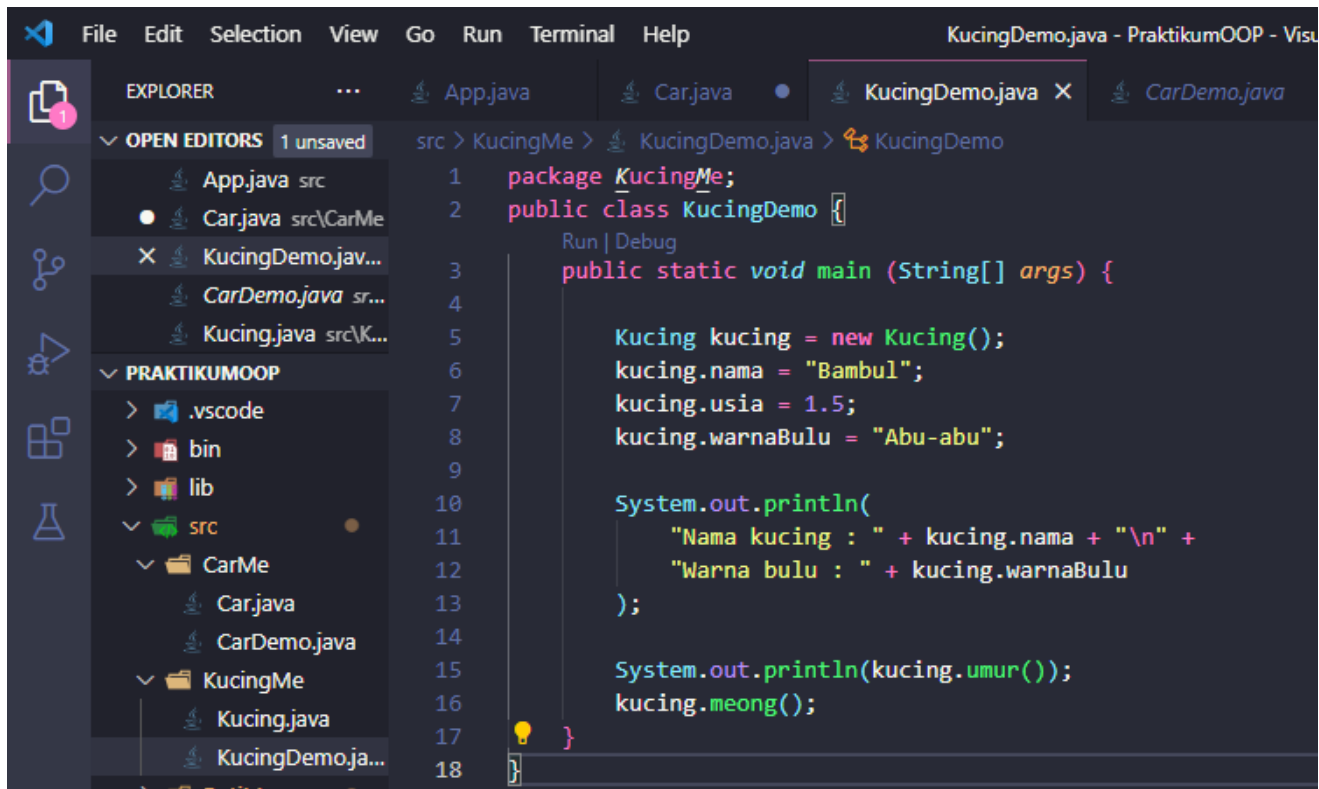
2.

```
┌─────────────────────────────────────┐
│              RotiDemo                │
└─────────────────────────────────────┘
                   ▲
        ┌──────────┼──────────┐
```

Roti1	Roti2	Roti3
#nama #jenisTepung	#nama # jenisTepung	#nama # jenisTepung
#beriToping() #beriWarna() #beriBentuk()	#beriToping() #beriWarna() #beriBentuk()	#beriToping() #beriWarna() #beriBentuk()
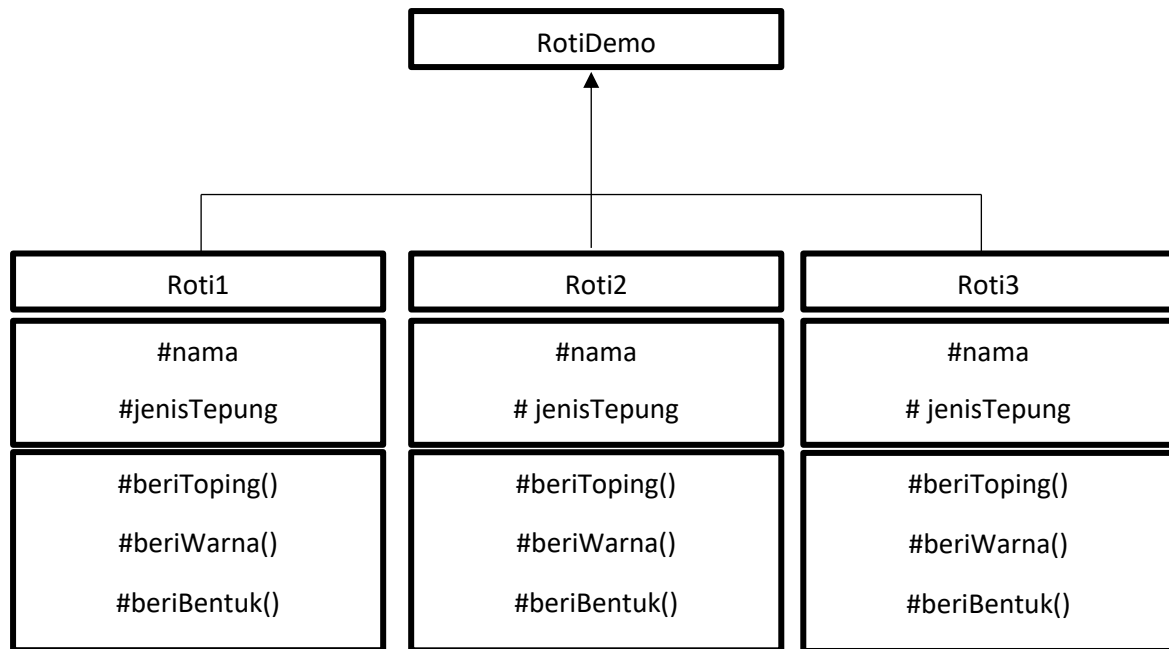
3.

File   Edit   Selection   View   Go   Run   Terminal   Help   ● Car.java - PraktikumOOP - Visual Studio Code

EXPLORER   ···   App.java   Car.java ●   CarDemo.java ●   RotiDemo.java 7   Roti.java

OPEN EDITORS   2 unsaved   src > Car.java > Car
- 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

```java
public class Car {
    int throttle;
    int speed;
    int gear;
    String info;

    void changeCadence (int pedal) {
        throttle = pedal;
    }

    void speedUp (int power) {
        speed = power;
    }

    void changeGear (int handle) {
        gear = handle;
    }

    void printInfo() {
        System.out.println(
            "pedal gas : " + throttle + "\n" +
            "kecepatan : " + speed + "\n" +
            "Gigi : " + gear);
    }
}
```
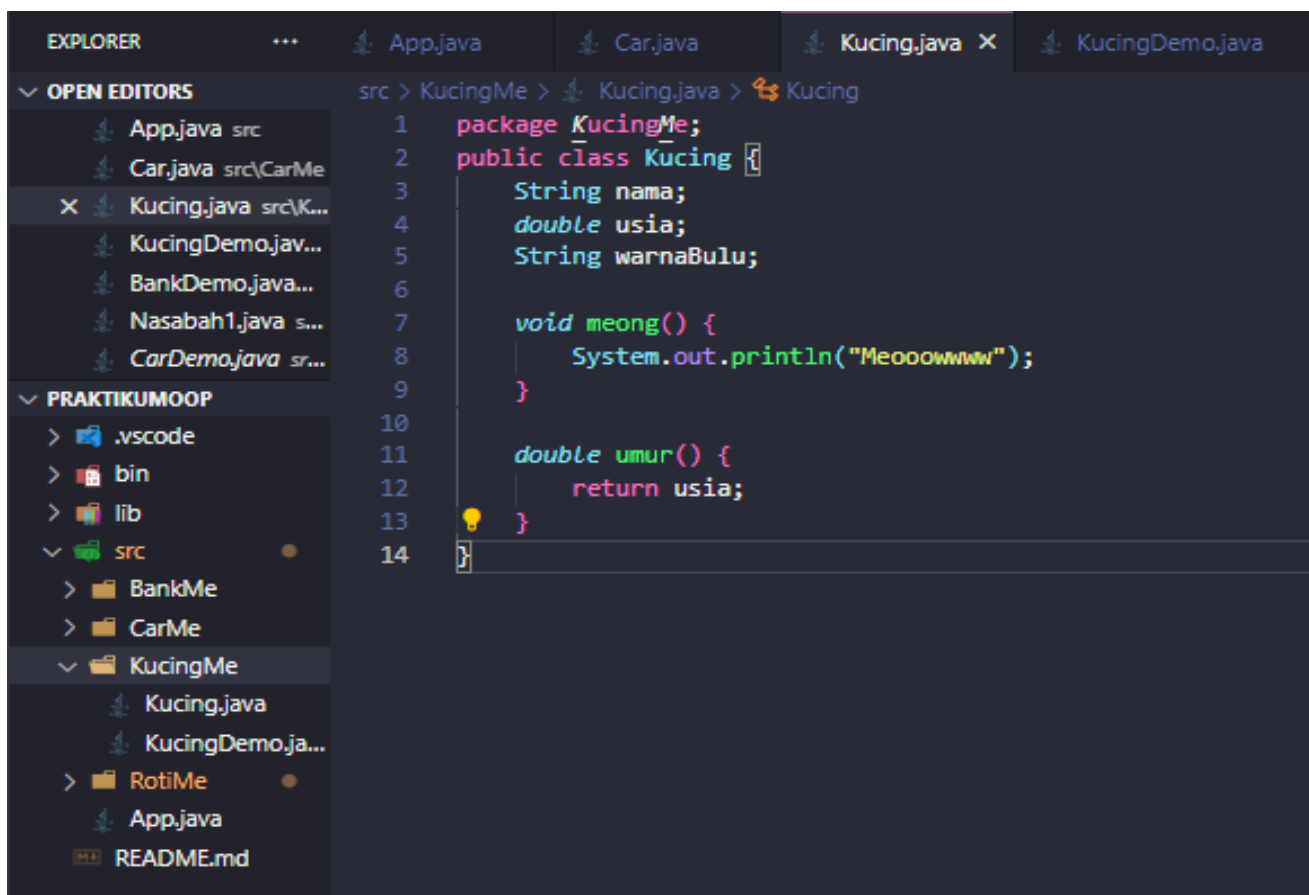
4.

```java
package KucingMe;
public class KucingDemo {
    Run | Debug
    public static void main (String[] args) {

        Kucing kucing = new Kucing();
        kucing.nama = "Bambul";
        kucing.usia = 1.5;
        kucing.warnaBulu = "Abu-abu";

        System.out.println(
            "Nama kucing : " + kucing.nama + "\n" +
            "Warna bulu : " + kucing.warnaBulu
        );

        System.out.println(kucing.umur());
        kucing.meong();
    }
}
```

```java
package KucingMe;
public class Kucing {
    String nama;
    double usia;
    String warnaBulu;

    void meong() {
        System.out.println("Meooowwww");
    }

    double umur() {
        return usia;
    }
}
```

5. A.

```java
package BankMe;

public class Nasabah1 {

    String nama = "Fariz Hafidz";
    String no_rekening = "111-222-333";
    double saldo = 10000;
    double totalSaldo;

    double cek_saldo() {
        return saldo;
    }

    void menabung(double jumlahUang) {
        System.out.println("Saldo : " + saldo);
        totalSaldo = saldo + jumlahUang;
        saldo = totalSaldo;
        System.out.println(
            "Menabung sebesar : " + jumlahUang + "\n" +
            "Saldo sekarang   : " + saldo);
    }

    void menarik(double jumlahUang) {
        System.out.println("Saldo : " + saldo);
        totalSaldo = saldo - jumlahUang;
        saldo = totalSaldo;
        System.out.println(
            "Menarik sebesar : " + jumlahUang + "\n" +
            "Saldo sekarang   : " + saldo);
    }

    void transfer(double jumlahUang) {
        System.out.println("Saldo : " + saldo);
        totalSaldo = saldo - jumlahUang;
        saldo = totalSaldo;
        System.out.println(
            "Nominal transfer : " + jumlahUang + "\n" +
            "Saldo sekarang   : " + saldo);
    }
}
```

B.

```java
package BankMe;

public class BankDemo {
    Run | Debug
    public static void main (String[] args) {

        Nasabah1 nsbh1 = new Nasabah1();

        System.out.println(
            "Nama Nasabah adalah : " + nsbh1.nama + "\n" +
            "Nomor Rekening Nasabah : " + nsbh1.no_rekening);

        nsbh1.menabung(5000);
        nsbh1.menarik(1000);
        nsbh1.transfer(2000);

    }
}
```

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

2.5 PEKERJAAN RUMAH

1.

```java
package HewanMe;

public class Hewan {

    String nama;
    int kaki;
    String makan;
    String tipe;
    String info;

    void getNama(String namaHewan) {
        nama = namaHewan;
    }

    void getKaki(int kakiHewan) {
        kaki = kakiHewan;
    }

    void getMakanan(String makanHewan) {
        makan = makanHewan;
    }

    void getTipe(String tipeHewan) {
        tipe = tipeHewan;
    }

    void info() {
        System.out.println(
            "Nama Hewan      : " + nama + "\n" +
            "Jumlah Kaki     : " + kaki + "\n" +
            "Makanan         : " + makan + "\n" +
            "Type Hewan      : " + tipe);
    }
}
```

```java
package HewanMe;

public class HewanDemo {
    public static void main (String[] args) {

        Hewan hewan1 = new Hewan();
        hewan1.getNama("Harimau");
        hewan1.getKaki(4);
        hewan1.getMakanan("Daging");
        hewan1.getTipe("Karnivora");
        hewan1.info();

        Hewan hewan2 = new Hewan();
        hewan2.getNama("Kerbau");
        hewan2.getKaki(4);
        hewan2.getMakanan("Rumput");
        hewan2.getTipe("Herbivora");
        hewan2.info();

    }
}
```

2.

src > UniversityMe > Dosen.java > Dosen

```java
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   }
```

src > UniversityMe > Karyawan.java > Karyawan

```java
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   }
```

```java
package UniversityMe;

public class Mahasiswa {

    String nama;
    String nim;
    String alamat;
    int semester;

    void tampilkanNama(String namaMahasiswa){
        nama = namaMahasiswa;
    }
    void tampilkanNIM(String nimMahasiswa){
        nim = nimMahasiswa;
    }
    void tampilkanAlamat(String alamatMahasiswa){
        alamat = alamatMahasiswa;
    }
    void tampilkanSemester(int semesterMahasiswa){
        semester = semesterMahasiswa;
    }
}
```