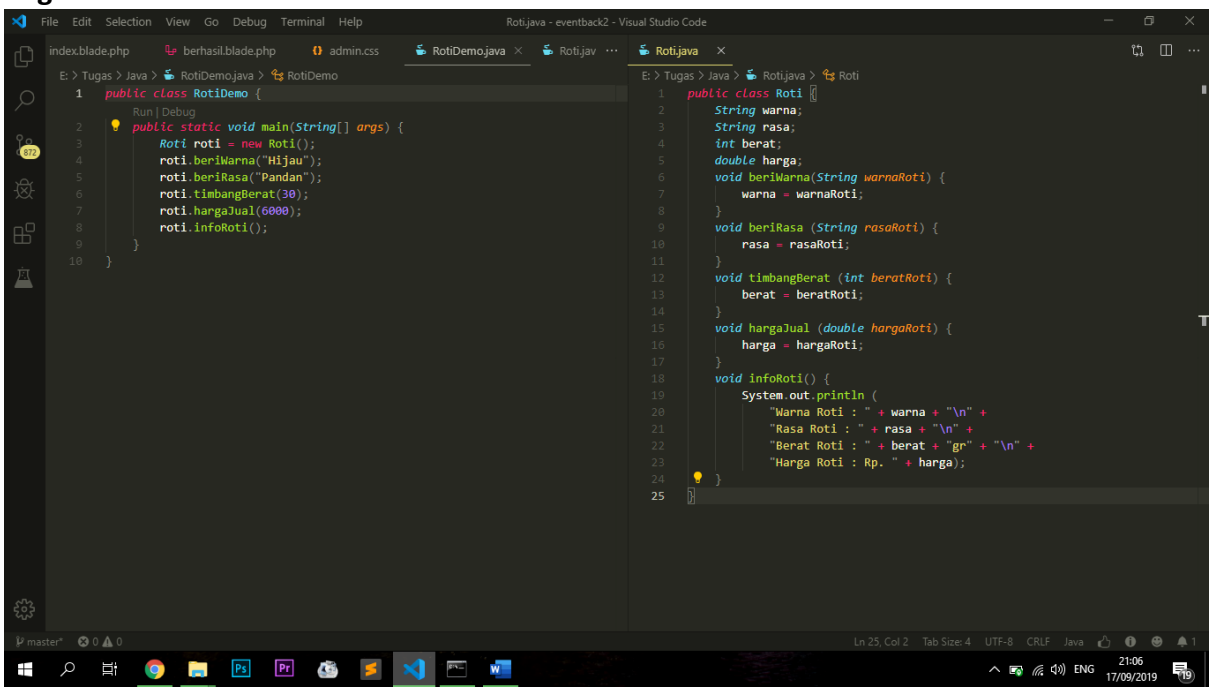
Nama : Wahyu Setyaji Rama Dwijaya
NIM : L200180065
Kelas : B

MODUL 2

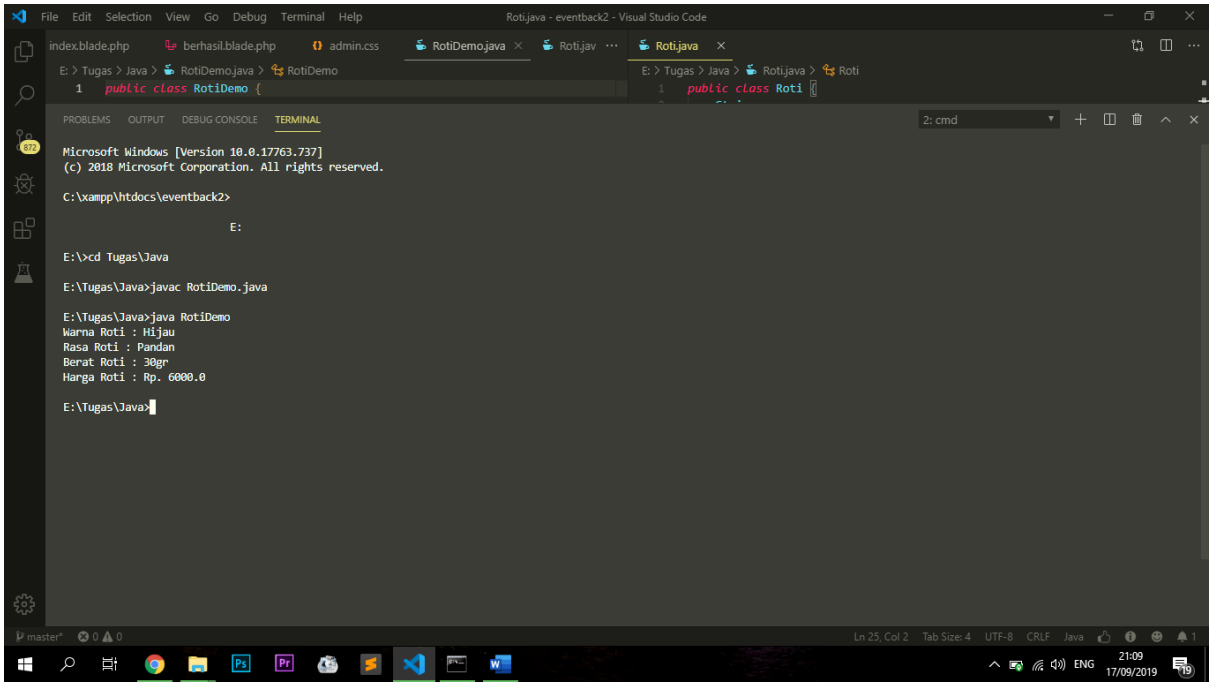
Tugas 2.2



```
public class RotiDemo {
    Run | Debug
    public static void main(String[] args) {
        Roti roti = new Roti();
        roti.beriWarna("Hijau");
        roti.beriRasa("Pandan");
        roti.timbangBerat(30);
        roti.hargaJual(6000);
        roti.infoRoti();
    }
}
```

```
public class Roti {
    String warna;
    String rasa;
    int berat;
    double harga;
    void beriWarna(String warnaRoti) {
        warna = warnaRoti;
    }
    void beriRasa (String rasaRoti) {
        rasa = rasaRoti;
    }
    void timbangBerat (int beratRoti) {
        berat = beratRoti;
    }
    void hargaJual (double hargaRoti) {
        harga = hargaRoti;
    }
    void infoRoti() {
        System.out.println (
            "Warna Roti : " + warna + "\n" +
            "Rasa Roti : " + rasa + "\n" +
            "Berat Roti : " + berat + "gr" + "\n" +
            "Harga Roti : Rp. " + harga);
    }
}
```

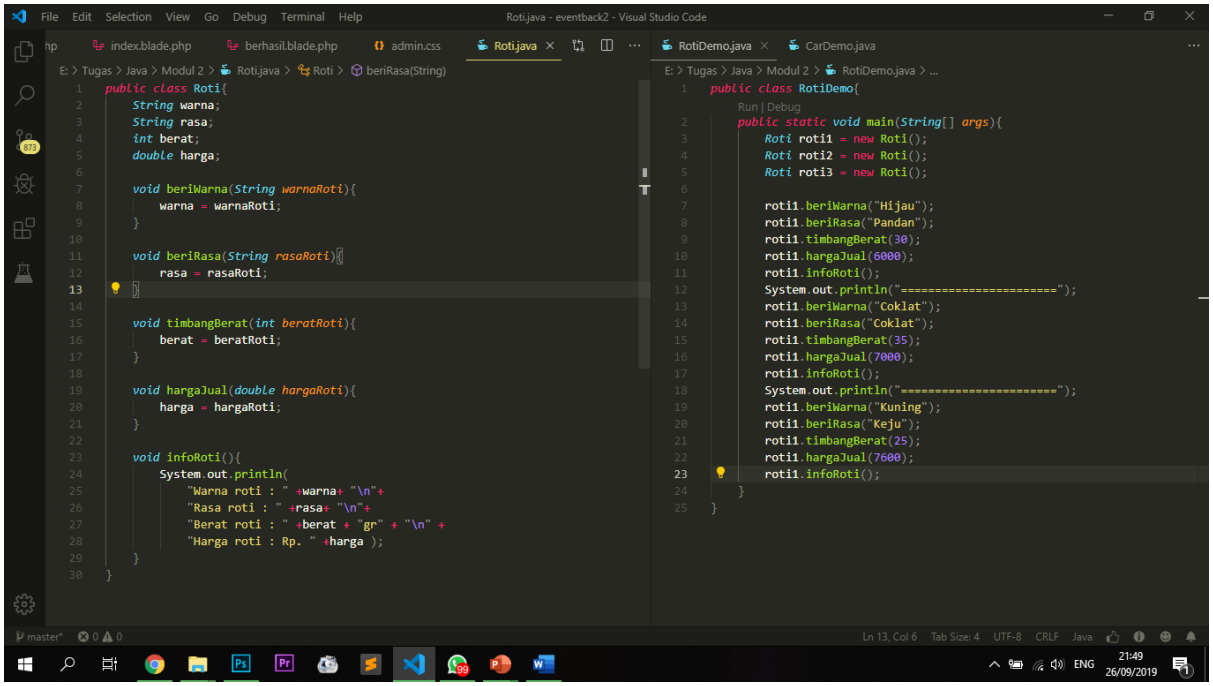
Hasil CMD:



```
Microsoft Windows [Version 10.0.17763.737]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\xampp\htdocs\eventback2>

                        E:

E:\>cd Tugas\Java

E:\Tugas\Java>javac RotiDemo.java

E:\Tugas\Java>java RotiDemo
Warna Roti : Hijau
Rasa Roti : Pandan
Berat Roti : 30gr
Harga Roti : Rp. 6000.0

E:\Tugas\Java>
```

Latihan 2.4

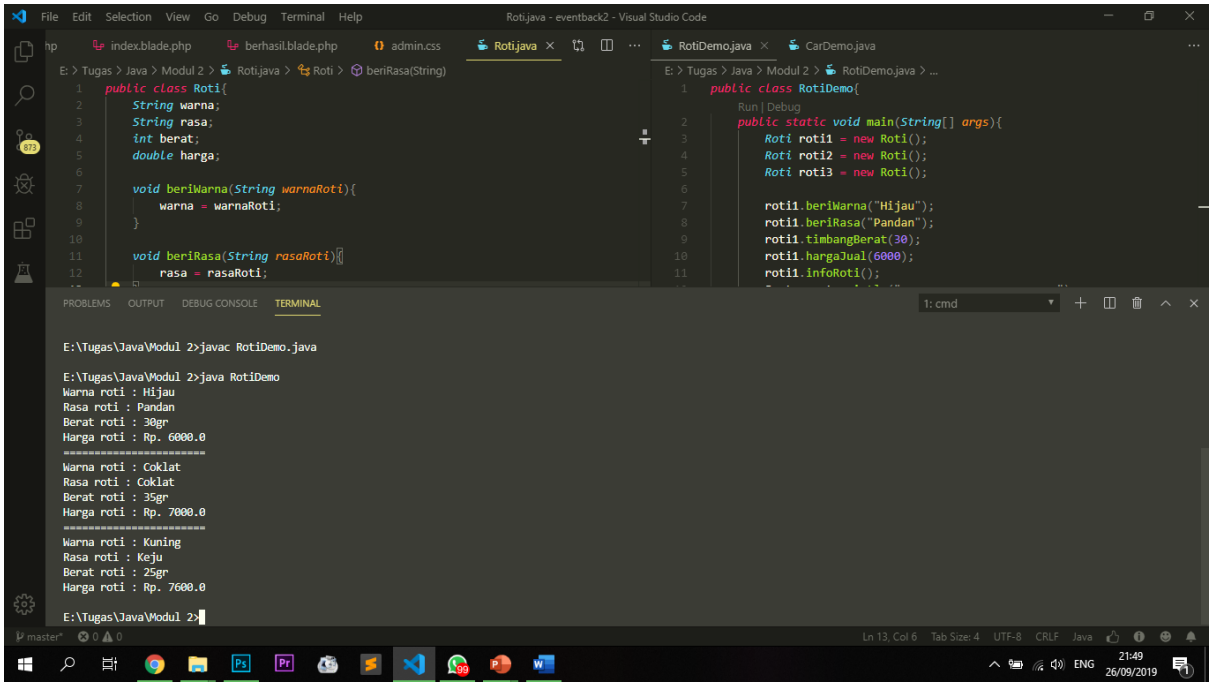
1. Modifikasi Class RotiDemo dan 3 object baru



```
public class Roti{
    String warna;
    String rasa;
    int berat;
    double harga;

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

    void beriRasa(String rasaRoti){
        rasa = rasaRoti;
    }

    void timbangBerat(int beratRoti){
        berat = beratRoti;
    }

    void hargaJual(double hargaRoti){
        harga = hargaRoti;
    }

    void infoRoti(){
        System.out.println(
            "Warna roti : " +warna+ "\n"+
            "Rasa roti : " +rasa+ "\n"+
            "Berat roti : " +berat + "gr" + "\n" +
            "Harga roti : Rp. " +harga );
    }
}
```

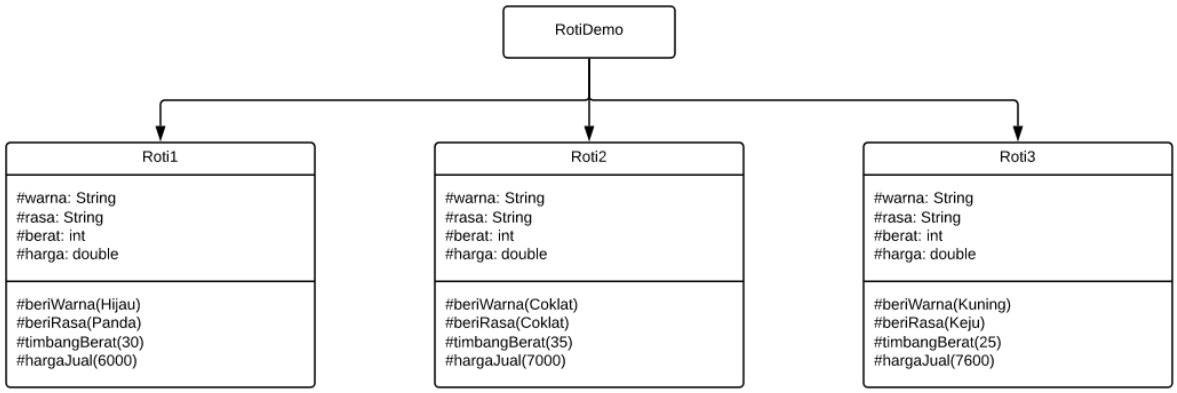
```
public class RotiDemo{
    public static void main(String[] args){
        Roti roti1 = new Roti();
        Roti roti2 = new Roti();
        Roti roti3 = new Roti();

        roti1.beriWarna("Hijau");
        roti1.beriRasa("Pandan");
        roti1.timbangBerat(30);
        roti1.hargaJual(6000);
        roti1.infoRoti();
        System.out.println("======================");
        roti1.beriWarna("Coklat");
        roti1.beriRasa("Coklat");
        roti1.timbangBerat(35);
        roti1.hargaJual(7000);
        roti1.infoRoti();
        System.out.println("======================");
        roti1.beriWarna("Kuning");
        roti1.beriRasa("Keju");
        roti1.timbangBerat(25);
        roti1.hargaJual(7600);
        roti1.infoRoti();
    }
}
```

Hasil CMD

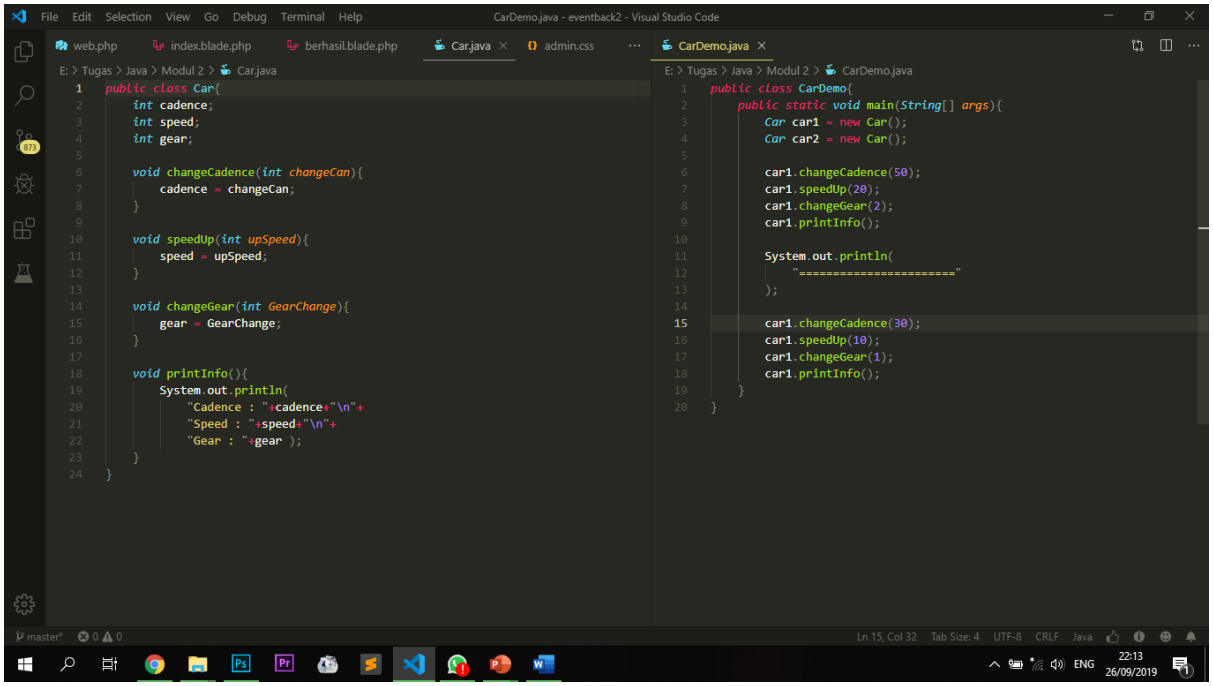


```
E:\Tugas\Java\Modul 2>javac RotiDemo.java

E:\Tugas\Java\Modul 2>java RotiDemo
Warna roti : Hijau
Rasa roti : Pandan
Berat roti : 30gr
Harga roti : Rp. 6000.0
======================
Warna roti : Coklat
Rasa roti : Coklat
Berat roti : 35gr
Harga roti : Rp. 7000.0
======================
Warna roti : Kuning
Rasa roti : Keju
Berat roti : 25gr
Harga roti : Rp. 7600.0

E:\Tugas\Java\Modul 2>
```

2. Diagram RotiDemo



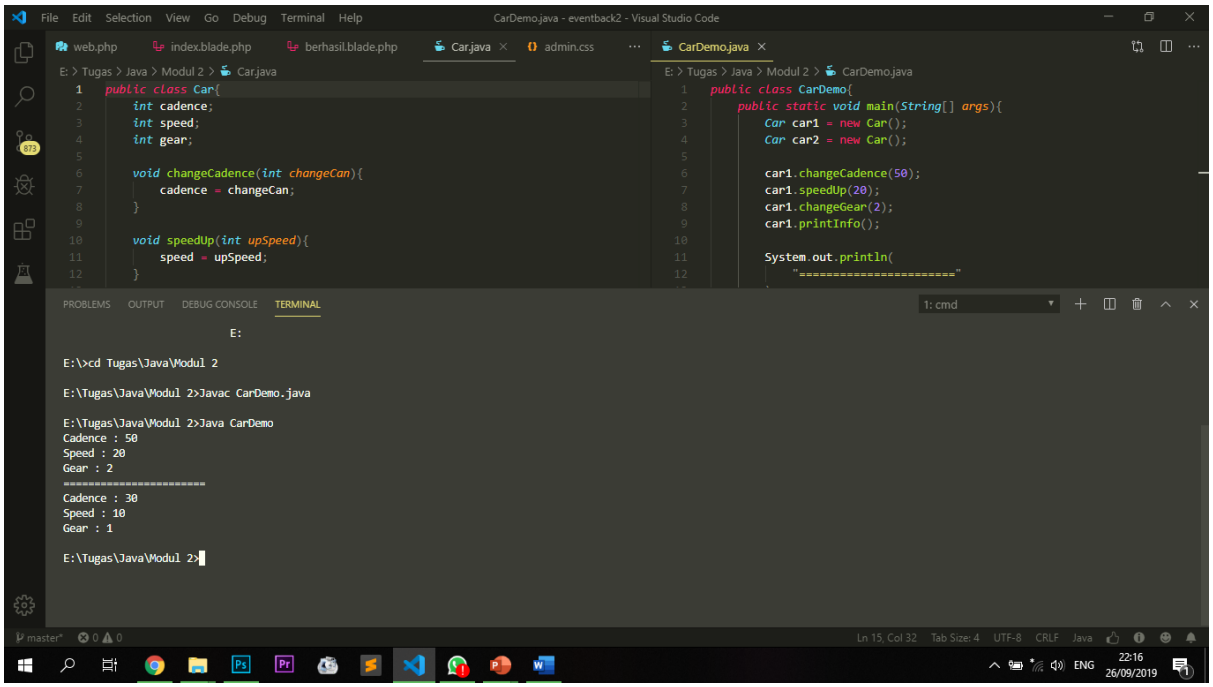
3. CarDemo



```java
public class Car{
    int cadence;
    int speed;
    int gear;

    void changeCadence(int changeCan){
        cadence = changeCan;
    }

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

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

    void printInfo(){
        System.out.println(
            "Cadence : "+cadence+"\n"+
            "Speed : "+speed+"\n"+
            "Gear : "+gear );
    }
}
```

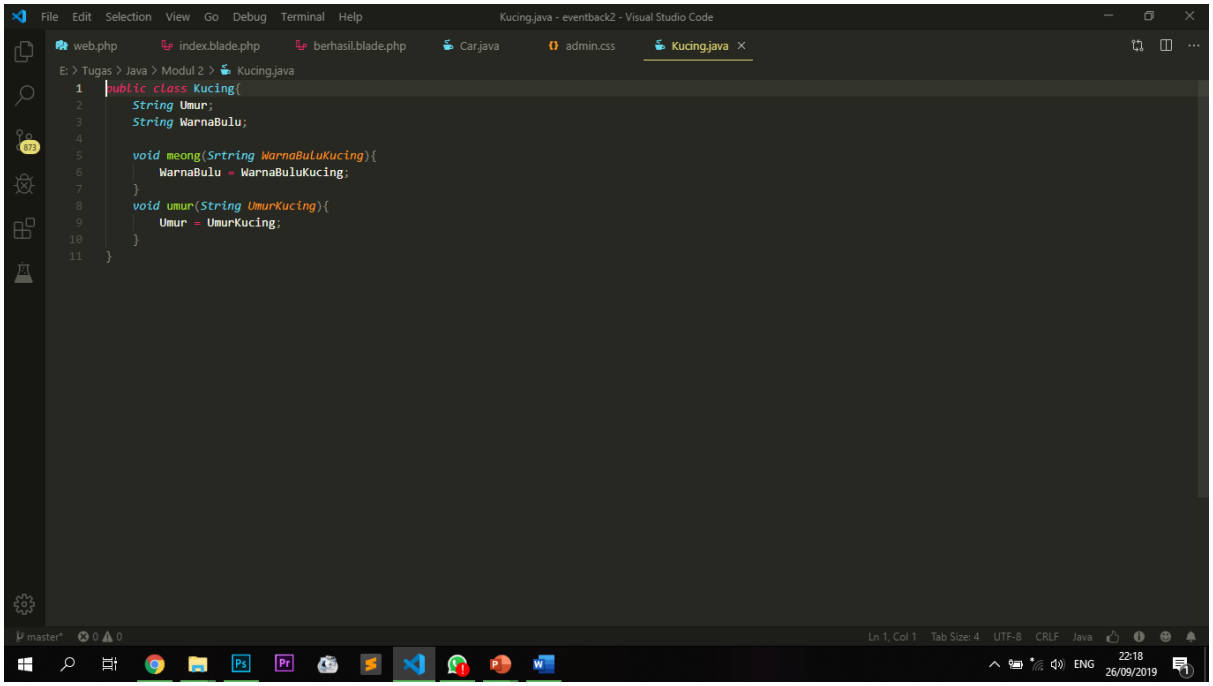
```java
public class CarDemo{
    public static void main(String[] args){
        Car car1 = new Car();
        Car car2 = new Car();

        car1.changeCadence(50);
        car1.speedUp(20);
        car1.changeGear(2);
        car1.printInfo();

        System.out.println(
            "======================"
        );

        car1.changeCadence(30);
        car1.speedUp(10);
        car1.changeGear(1);
        car1.printInfo();
    }
}
```

Hasil CMD:



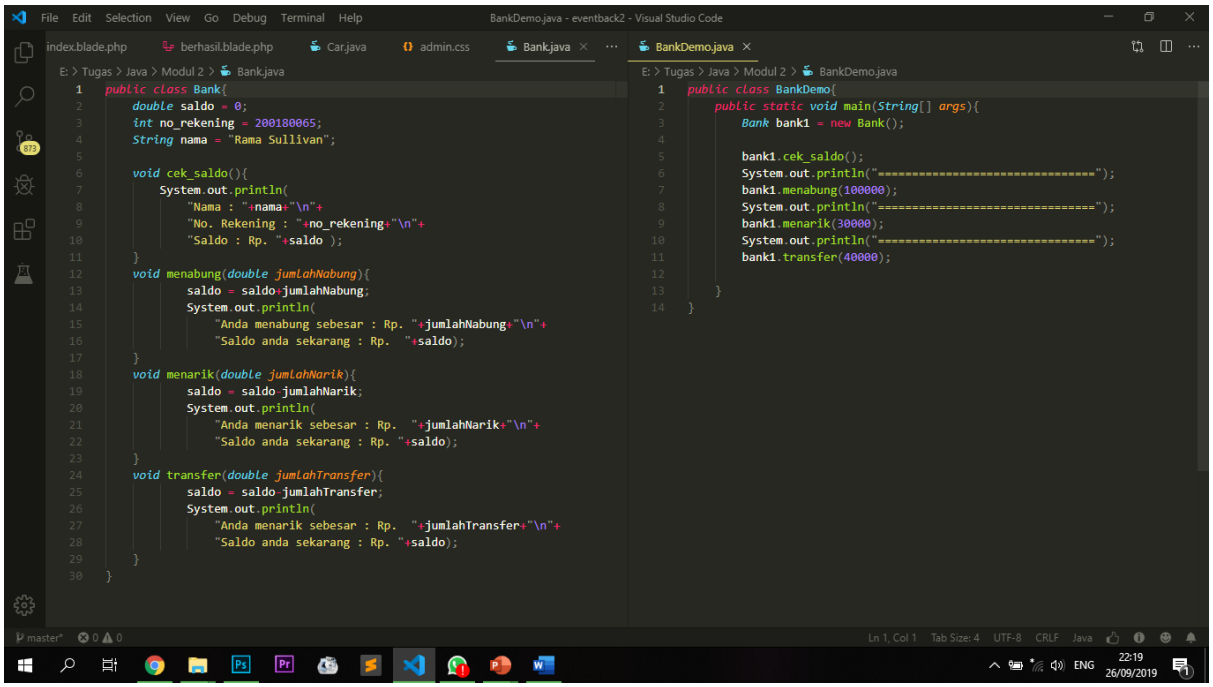
```
E:

E:\>cd Tugas\Java\Modul 2

E:\Tugas\Java\Modul 2>Javac CarDemo.java

E:\Tugas\Java\Modul 2>Java CarDemo
Cadence : 50
Speed : 20
Gear : 2
======================
Cadence : 30
Speed : 10
Gear : 1

E:\Tugas\Java\Modul 2>
```

4. Kucing



```java
public class Kucing{
    String Umur;
    String WarnaBulu;

    void meong(Srtring WarnaBuluKucing){
        WarnaBulu = WarnaBuluKucing;
    }
    void umur(String UmurKucing){
        Umur = UmurKucing;
    }
}
```

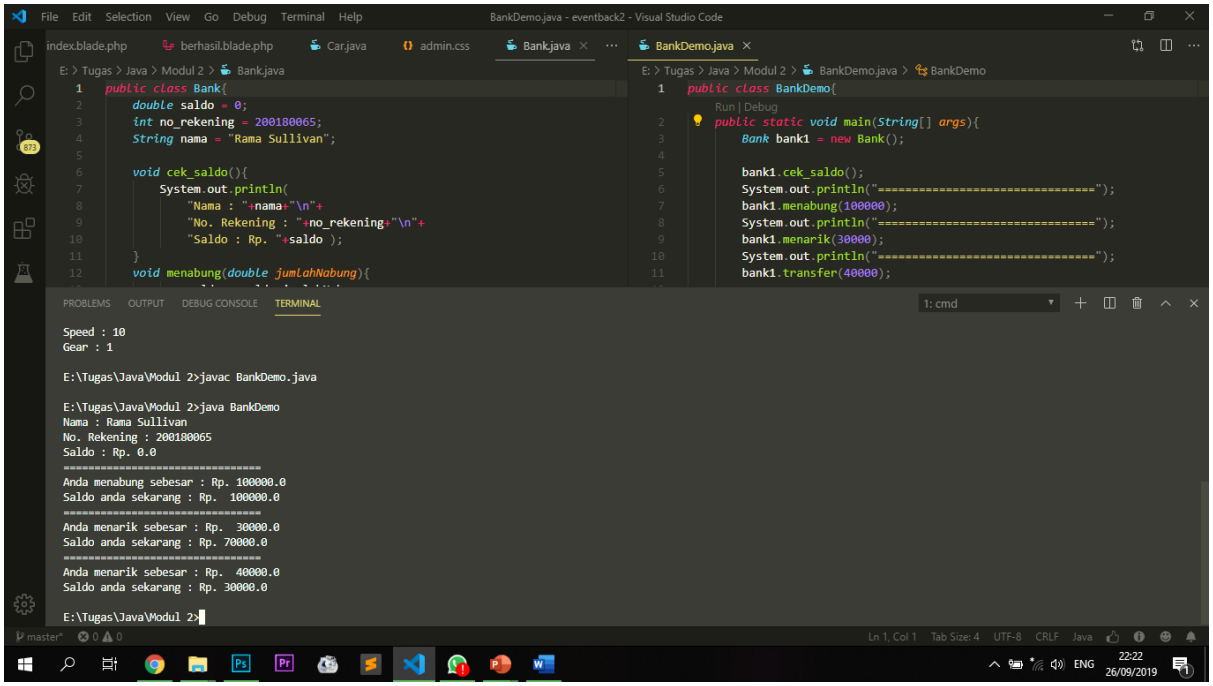
5. BankDemo



```java
public class Bank{
    double saldo = 0;
    int no_rekening = 200180065;
    String nama = "Rama Sullivan";

    void cek_saldo(){
        System.out.println(
            "Nama : "+nama+"\n"+
            "No. Rekening : "+no_rekening+"\n"+
            "Saldo : Rp. "+saldo );
    }
    void menabung(double jumlahNabung){
            saldo = saldo+jumlahNabung;
            System.out.println(
                "Anda menabung sebesar : Rp. "+jumlahNabung+"\n"+
                "Saldo anda sekarang : Rp.  "+saldo);
    }
    void menarik(double jumlahNarik){
            saldo = saldo-jumlahNarik;
            System.out.println(
                "Anda menarik sebesar : Rp.  "+jumlahNarik+"\n"+
                "Saldo anda sekarang : Rp. "+saldo);
    }
    void transfer(double jumlahTransfer){
            saldo = saldo-jumlahTransfer;
            System.out.println(
                "Anda menarik sebesar : Rp.  "+jumlahTransfer+"\n"+
                "Saldo anda sekarang : Rp. "+saldo);
    }
}
```

```java
public class BankDemo{
    public static void main(String[] args){
        Bank bank1 = new Bank();

        bank1.cek_saldo();
        System.out.println("================================");
        bank1.menabung(100000);
        System.out.println("================================");
        bank1.menarik(30000);
        System.out.println("================================");
        bank1.transfer(40000);

    }
}
```

Hasil CMD:



6. Berikut adalah daftar metode yang didukung oleh kelas String:

- Char charAt (int index)
- int compareTo (Object o)
- int compareTo (String anotherString)
- int compareToIgnoreCase (String str)
- String concat (String str)
- contentEquals boolean (StringBuffer sb)
- statis String copyValueOf (char [] data)
- statis String copyValueOf (char [] data, int offset, int count)
- boolean endsWith (String suffix)
- boolean equals (Object anObject)
- boolean equalsIgnoreCase (String anotherString):
- getBytes byte ()
- byte [] getBytes (String charsetName)
- int hashCode()
- int indexOf (int ch)
- int indexOf (int ch, int fromIndex)
- int indexOf (String str)
- int indexOf (String str, int fromIndex)
- String intern ()
- int lastIndexOf (int ch)
- int lastIndexOf (int ch, int fromIndex)
- int lastIndexOf (String str)
- int panjang ()
- String [] split (String regex)

- String [] split (String regex, batas int)
- boolean startsWith (String prefix, int toffset)
- String substring (int beginIndex)
- String substring (int beginIndex, int endIndex)
- char di [] toCharArray ()
- String toLowerCase ()
- String toLowerCase (lokal Lokal)
- String toString ()
- String toUpperCase ()
- String toUpperCase (lokal Lokal)
- String lis ()
- statis String valueOf (primitif tipe data x)