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PRAKTIKUM 2

Latihan 1

Code Mobil2.java: Kembangkan Class Mobil, ubah nama menjadi Mobil2

```
public class Mobil2 {
    int roda = 4;
    int body = 1;
    static int mesin = 1;
    String nama;

static void maju() {
        System.out.println("Maju.....");
    }
}
```

```
void mundur() {
              System.out.println("Mundur....");
       }
       void belok() {
             System.out.println("Belok.....");
       }
       void hidupkanMobil() {
              System.out.println("Hidupkan Mobil : " + nama);
       }
       void matikanMobil() {
              System.out.println("Matikan Mobil : " + nama);
       void ubahGigi() {
              System.out.println("Ubah Gigi
                                            : " + nama);
       }
}
Code MobilDemo2.java: Panggil method-method diatas dari MobilDemo2
public class MobilDemo2 {
       public static void main(String[] a) {
             Mobil2 avanza = new Mobil2();
             Mobil2 xenia = new Mobil2();
             avanza.nama = "Avanza Silver";
             avanza.hidupkanMobil();
             avanza.ubahGigi();
             avanza.maju();
             avanza.mundur();
             avanza.belok();
             System.out.println("Roda Avanza : " + avanza.roda);
              System.out.println("Roda Xenia
                                               : " + xenia.roda);
```

```
System.out.println("Mesin Avanza : " + avanza.mesin);
System.out.println("Mesin Xenia : " + xenia.mesin);
avanza.roda = 5;
System.out.println("Roda Avanza : " + avanza.roda);
System.out.println("Roda Xenia : " + xenia.roda);
avanza.mesin = 9;
System.out.println("Mesin Avanza : " + avanza.mesin);
System.out.println("Mesin Xenia : " + xenia.mesin);
avanza.matikanMobil();
}
```

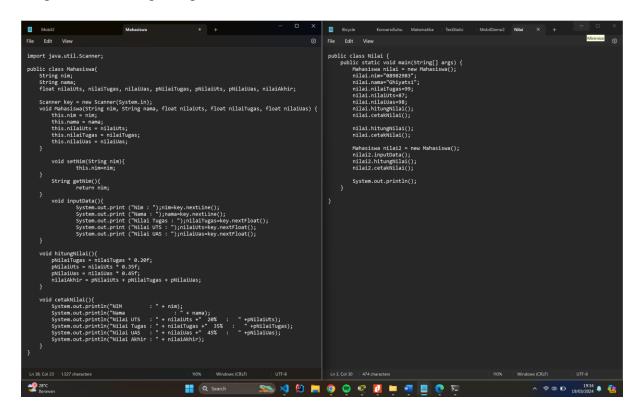
Output:

```
Node.js command prompt
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_2_PBO>javac Mobil2.java
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_2_PBO>javac MobilDemo2.java
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_2_PBO>java MobilDemo2
Hidupkan Mobil : Avanza Silver
Ubah Gigi Mobil : Avanza Silver
Maju...
Mundur....
Belok....
Roda Avanza
Roda Xenia
Mesin Avanza
Mesin Xenia
Roda Avanza
Roda Xenia
                : 9
Mesin Avanza
                : 9
Mesin Xenia
Mesin Avanza
                : 9
                : 9
Mesin Xenia
Matikan Mobil
                : Avanza Silver
D:\Pemrograman Berorientasi Objek\tugas\PRAKTIKUM_2_PBO>
```

Latihan 2

}

Program untuk menghitung nilai



Code 1 : Class Mahasiswa (Mahasiswa.java)

```
import java.util.Scanner;

public class Mahasiswa {
    String nim;
    String nama;
    float nilaiUts, nilaiTugas, nilaiUas, pNilaiTugas, pNilaiUts, pNilaiUas, nilaiAkhir;

    Scanner key = new Scanner(System.in);
    void Mahasiswa(String nim, String nama, float nilaiUts, float nilaiTugas, float nilaiUas) {
        this.nim = nim;
        this.nama = nama;
        this.nilaiUts = nilaiUts;
        this.nilaiTugas = nilaiTugas;
        this.nilaiUas = nilaiUas;
    }
}
```

```
void setNim(String nim){
            this.nim=nim;
}
    String getNim(){
            return nim;
}
    void inputData(){
            System.out.print ("Nim : ");nim=key.nextLine();
            System.out.print ("Nama : ");nama=key.nextLine();
            System.out.print ("Nilai Tugas : ");nilaiTugas=key.nextFloat();
            System.out.print ("Nilai UTS : ");nilaiUts=key.nextFloat();
            System.out.print ("Nilai UAS : ");nilaiUas=key.nextFloat();
}
void hitungNilai(){
  pNilaiTugas = nilaiTugas * 0.20f;
  pNilaiUts = nilaiUts * 0.35f;
  pNilaiUas = nilaiUas * 0.45f;
  nilaiAkhir = pNilaiUts + pNilaiTugas + pNilaiUas;
}
void cetakNilai(){
  System.out.println("NIM
                                        : " + nim);
  System.out.println("Nama
                                         : " + nama);
  System.out.println("Nilai UTS : " + nilaiUts +" 20% : " +pNilaiUts);
  System.out.println("Nilai Tugas: " + nilaiTugas +" 35%: " +pNilaiTugas);
  System.out.println("Nilai UAS : " + nilaiUas +" 45% : " +pNilaiUas);
  System.out.println("Nilai Akhir : " + nilaiAkhir);
}
```

}

Code 2 : Class Nilai (Nilai.java)

```
public class Nilai {
       public static void main(String[] args) {
               Mahasiswa nilai = new Mahasiswa();
              nilai.nim = "08982983";
              nilai.nama = "Ghiyatsi";
              nilai.nilaiTugas = 99;
              nilai.nilaiUts = 87;
              nilai.nilaiUas = 98;
              nilai.hitungNilai();
               nilai.cetakNilai();
               Mahasiswa nilai2 = new Mahasiswa();
              nilai2.inputData();
              nilai2.hitungNilai();
               nilai2.cetakNilai();
               System.out.println();
       }
}
```

Output:

