

MODUL 1

a) Nama hal yang diidentifikasi adalah

A = merk mobil

B = warna mobil

C = jenis mobil

D = cc mobil

E = kapasitas penumpang mobil

b) UML Class diagram Mobil

Mobil
#merk = String
#warna = String
#jenis = String
#ccmobil = int
#kapasitaspenumpang = int
#InfoMobil()

c) Mobil.java

```
package modul1;

public class Mobil {
    String merk, warna, jenis;
    int ccmobil, kapasitaspenumpang;
    void InfoMobil() {
        System.out.println("Merk mobil = " +
this.merk);
        System.out.println("Warna mobil = " +
this.warna);
        System.out.println("Jenis mobil = " +
this.jenis);
        System.out.println("CC mobil = " +
this.ccmobil + " CC");
        System.out.println("Kapasitas penumpang = " +
this.kapasitaspenumpang + " penumpang");
        System.out.println();
    }
}
```

d) TesMobil.java

```
package modul1;

public class TesMobil {
    public static void main(String[] args) {
        Mobil mobil1 = new Mobil();
        mobil1.merk = "Toyota";
        mobil1.warna = "Biru";
        mobil1.jenis = "minibus";
        mobil1.ccmobil = 2000;
    }
}
```

```
mobil1.kapasitaspenumpang = 7;  
System.out.println("====MOBIL 1====");  
mobil1.InfoMobil();  
  
Mobil mobil2 = new Mobil();  
mobil2.merk = "Daihatsu";  
mobil2.warna = "Hitam";  
mobil2.jenis = "pick up";  
mobil2.ccmobil = 1500;  
mobil2.kapasitaspenumpang = 2;  
System.out.println("====MOBIL 2====");  
mobil2.InfoMobil();  
  
Mobil mobil3 = new Mobil();  
mobil3.merk = "Suzuki";  
mobil3.warna = "Silver";  
mobil3.jenis = "suv";  
mobil3.ccmobil = 1800;  
mobil3.kapasitaspenumpang = 5;  
System.out.println("====MOBIL 3====");  
mobil3.InfoMobil();  
  
Mobil mobil4 = new Mobil();  
mobil4.merk = "Honda";  
mobil4.warna = "Merah";  
mobil4.jenis = "sedan";  
mobil4.ccmobil = 1300;  
mobil4.kapasitaspenumpang = 5;  
System.out.println("====MOBIL 4====");  
mobil4.InfoMobil();  
  
}  
}
```

Output

```
====MOBIL 1====  
Merk mobil = Toyota  
Warna mobil = Biru  
Jenis mobil = minibus  
CC mobil = 2000 CC  
Kapasitas penumpang = 7 penumpang  
  
====MOBIL 2====  
Merk mobil = Daihatsu  
Warna mobil = Hitam  
Jenis mobil = pick up  
CC mobil = 1500 CC  
Kapasitas penumpang = 2 penumpang
```

```
=====MOBIL 3=====
Merk mobil = Suzuki
Warna mobil = Silver
Jenis mobil = suv
CC mobil = 1800 CC
Kapasitas penumpang = 5 penumpang

=====MOBIL 4=====
Merk mobil = Honda
Warna mobil = Merah
Jenis mobil = sedan
CC mobil = 1300 CC
Kapasitas penumpang = 5 penumpang
```

MODUL 2

```
package modul2;

public class Pelajar {
    String nip, nama;
    double nilaiUjian1, nilaiUjian2, nilaiTugas;
    private double nilai;
    private String lulus;

    public double nilaiAkhir(){
        this.nilai = 40*this.nilaiUjian1/100 +
40*this.nilaiUjian2/100 + 20*this.nilaiTugas/100;
        return this.nilai;
    }
    public String isLulus(){
        if (this.nilai >= 60){
            return this.lulus = "LULUS";
        } else {
            return this.lulus = "TIDAK LULUS";
        }
    }
    public void status(){
        System.out.println("Nama pelajar = " + this.nama);
        System.out.println("NIP = " + this.nip);
        System.out.println("Nilai akhir = " + this.nilai);
        System.out.println("Status = " + this.lulus);
        System.out.println();
    }
}
```