**MODUL 1**

1. Nama hal yang diidentifikasi adalah

A = merk mobil

B = warna mobil

C = jenis mobil

D = cc mobil

E = kapasitas penumpang mobil

1. UML Class diagram Mobil

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

1. 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();  
 }  
}

1. 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();  
 }  
}