

Laporan Praktikum Pemrograman Berbasis Object UTS



Oleh :

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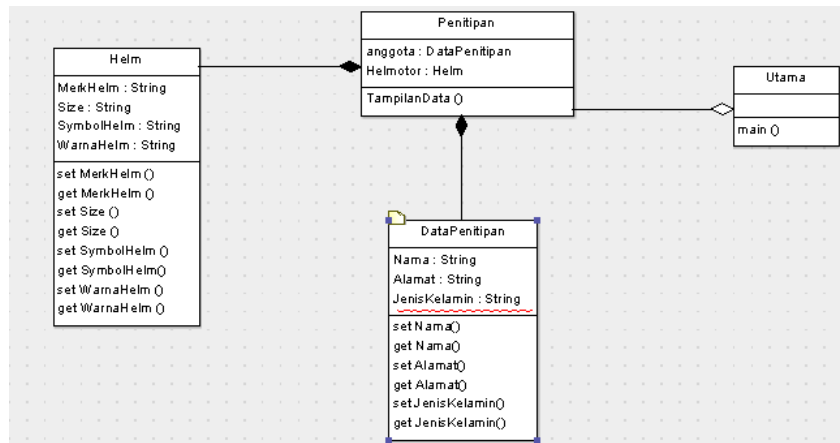
Kelas TI-2B

**PROGRAM STUDI D-IV TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI**

POLITEKNIK NEGERI MALANG

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SOAL



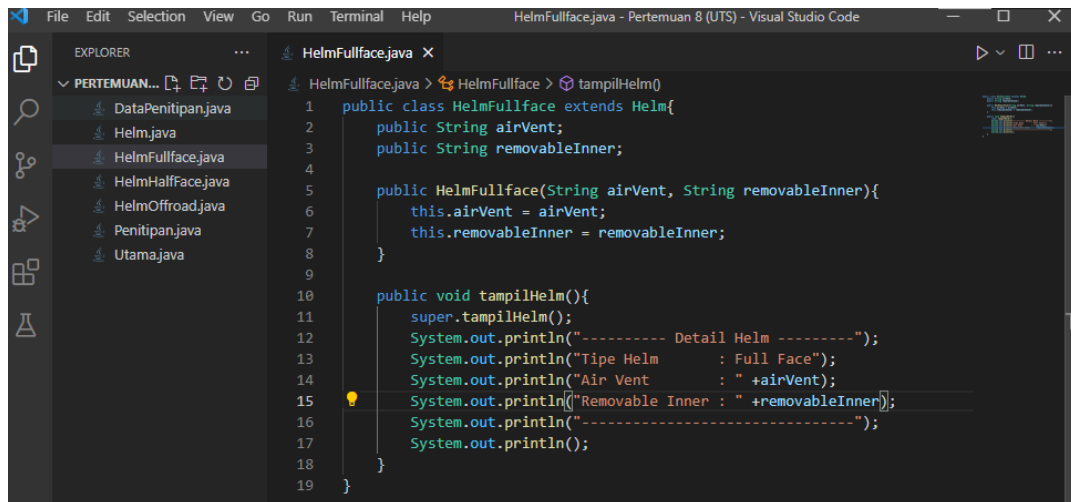
1. Buat implementasi program dalam bahasa Java dari class diagram diatas!
2. Tambahkan turunan dari class helm berdasarkan jenisnya (silahkan dieksplor jenis helm yang kalian ketahui)!
3. Kode disubmit di github menggunakan fitur pull request. Link repositori disini <https://github.com/PBO2122-TI2B/utspbo>

Jawab :

Class Helm :

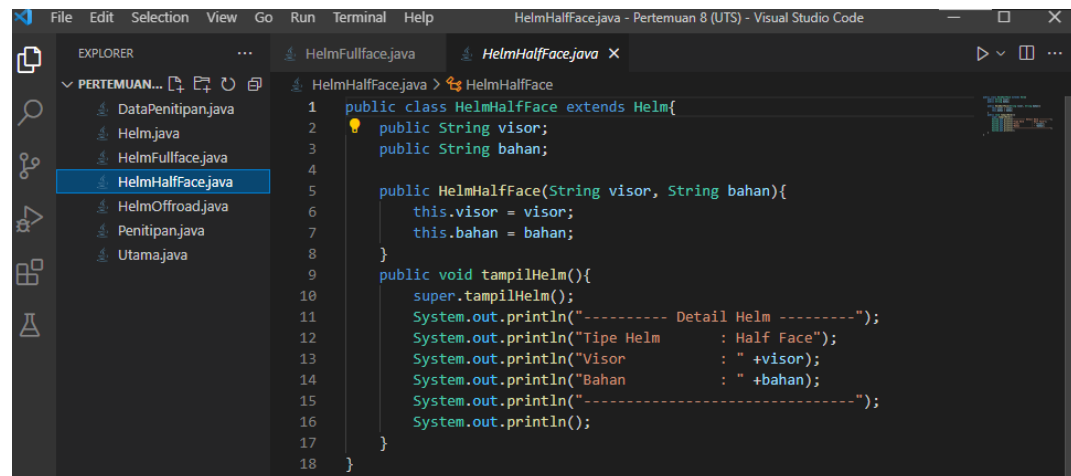
```
File Edit Selection View Go Run Terminal Help Helm.java - Pertemuan 8 (UTS) - Visual Studio Code
EXPLORER
  PERTEMUAN...
    DataPentitipan.java
    Helm.java
    HelmFullface.java
    HelmHalfface.java
    HelmOffroad.java
    Penitipan.java
    Utama.java
Helm.java
1 public class Helm {
2     protected String merkHelm;
3     protected String size;
4     protected String symbolHelm;
5     protected String warnaHelm;
6
7     public void setMerkHelm(String merkHelm) {
8         this.merkHelm = merkHelm;
9     }
10
11     public String getMerkHelm() {
12         return merkHelm;
13     }
14
15     public void setSize(String size) {
16         this.size = size;
17     }
18
19     public String getSize() {
20         return size;
21     }
22
23     public void setSymbolHelm(String symbolHelm) {
24         this.symbolHelm = symbolHelm;
25     }
26
27     public String getSymbolHelm() {
28         return symbolHelm;
29     }
30
31     public void setWarnaHelm(String warnaHelm) {
32         this.warnaHelm = warnaHelm;
33     }
34
35     public String getWarnaHelm() {
36         return warnaHelm;
37     }
38
39     public void tampilHelm() {
40         System.out.println("----- Data Helm -----");
41         System.out.println("Merk Helm      : " + getMerkHelm());
42         System.out.println("Size Helm       : " + getSize());
43         System.out.println("Symbol Helm    : " + getSymbolHelm());
44         System.out.println("Warna Helm     : " + getWarnaHelm());
45     }
46 }
```

Class HelmFullFace :



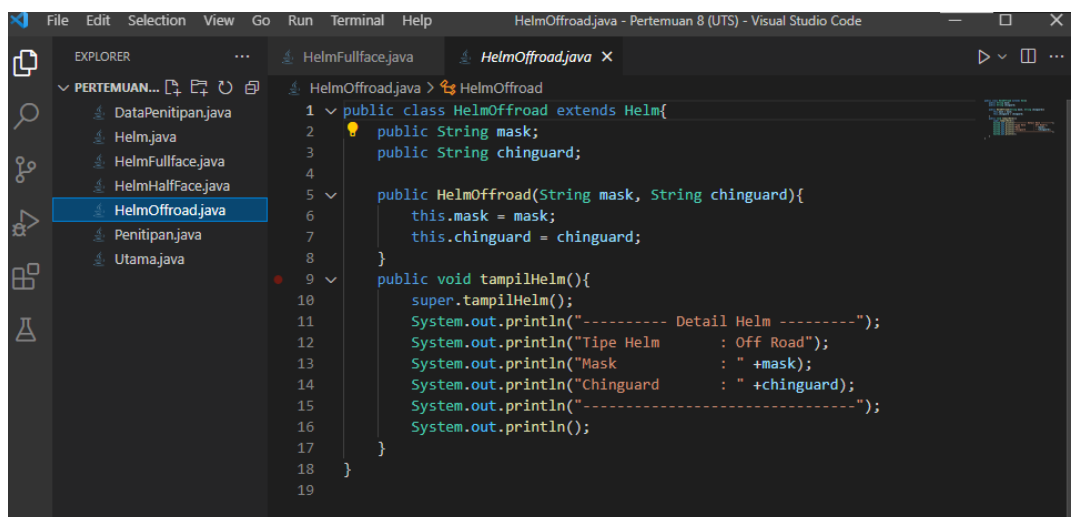
```
1 public class HelmFullFace extends Helm{
2     public String airVent;
3     public String removableInner;
4
5     public HelmFullFace(String airVent, String removableInner){
6         this.airVent = airVent;
7         this.removableInner = removableInner;
8     }
9
10    public void tampilHelm(){
11        super.tampilHelm();
12        System.out.println("----- Detail Helm -----");
13        System.out.println("Tipe Helm      : Full Face");
14        System.out.println("Air Vent      : " +airVent);
15        System.out.println("Removable Inner : " +removableInner);
16        System.out.println("-----");
17    }
18 }
19 }
```

Class HelmHalfFace :



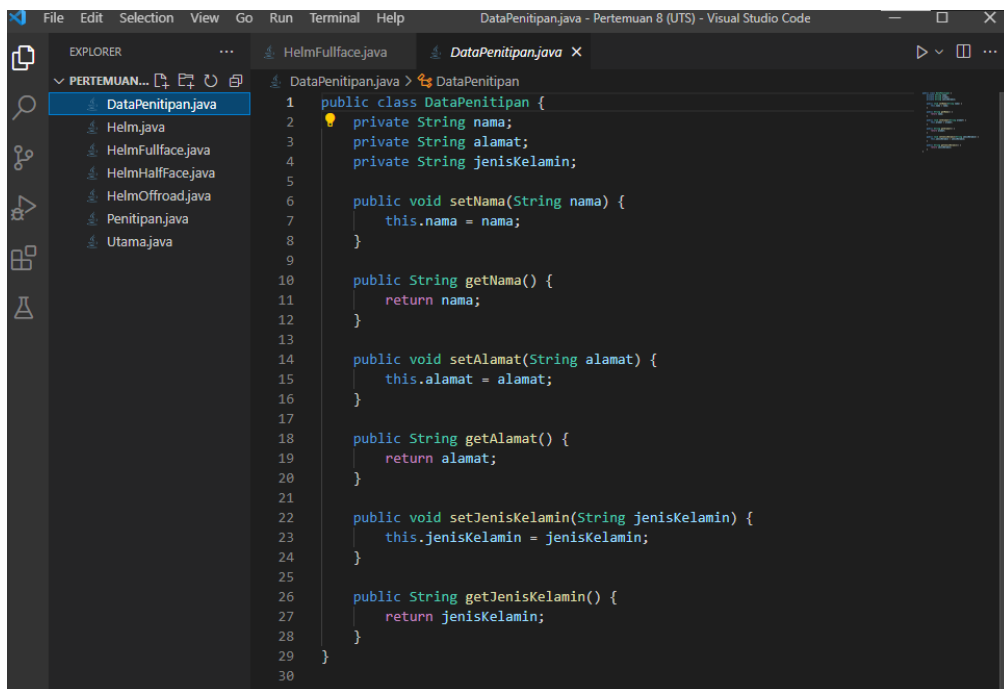
```
1 public class HelmHalfFace extends Helm{
2     public String visor;
3     public String bahan;
4
5     public HelmHalfFace(String visor, String bahan){
6         this.visor = visor;
7         this.bahan = bahan;
8     }
9
10    public void tampilHelm(){
11        super.tampilHelm();
12        System.out.println("----- Detail Helm -----");
13        System.out.println("Tipe Helm      : Half Face");
14        System.out.println("Visor          : " +visor);
15        System.out.println("Bahan          : " +bahan);
16        System.out.println("-----");
17    }
18 }
```

Class HelmOffRoad :



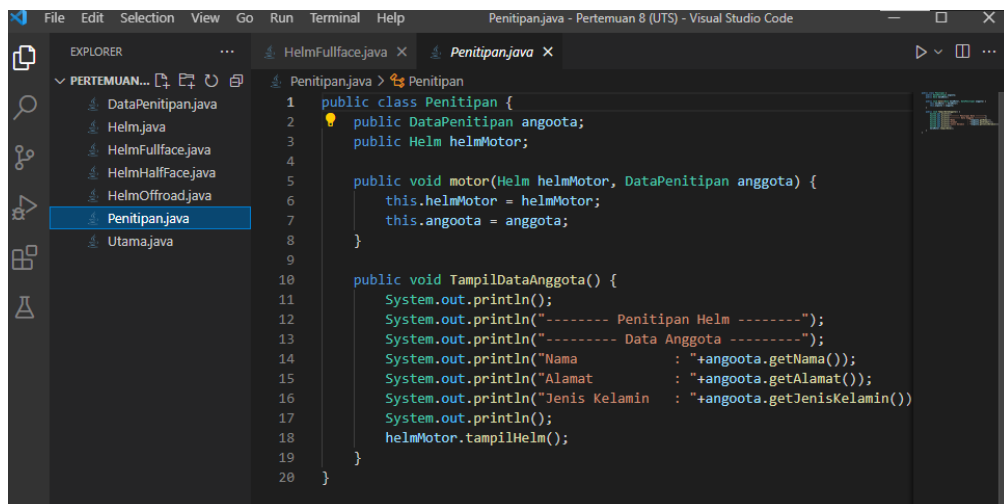
```
1 public class HelmOffroad extends Helm{
2     public String mask;
3     public String chinguard;
4
5     public HelmOffroad(String mask, String chinguard){
6         this.mask = mask;
7         this.chinguard = chinguard;
8     }
9
10    public void tampilHelm(){
11        super.tampilHelm();
12        System.out.println("----- Detail Helm -----");
13        System.out.println("Tipe Helm      : Off Road");
14        System.out.println("Mask           : " +mask);
15        System.out.println("Chinguard      : " +chinguard);
16        System.out.println("-----");
17    }
18 }
19 }
```

Class DataPenitipan :



```
1 public class DataPenitipan {
2     private String nama;
3     private String alamat;
4     private String jenisKelamin;
5
6     public void setName(String nama) {
7         this.nama = nama;
8     }
9
10    public String getName() {
11        return nama;
12    }
13
14    public void setAlamat(String alamat) {
15        this.alamat = alamat;
16    }
17
18    public String getAlamat() {
19        return alamat;
20    }
21
22    public void setJenisKelamin(String jenisKelamin) {
23        this.jenisKelamin = jenisKelamin;
24    }
25
26    public String getJenisKelamin() {
27        return jenisKelamin;
28    }
29 }
30
```

Class Penitipan :



```
1 public class Penitipan {
2     public DataPenitipan anggota;
3     public Helm helmMotor;
4
5     public void motor(Helm helmMotor, DataPenitipan anggota) {
6         this.helmMotor = helmMotor;
7         this.anggota = anggota;
8     }
9
10    public void TampilDataAnggota() {
11        System.out.println();
12        System.out.println("----- Penitipan Helm -----");
13        System.out.println("----- Data Anggota -----");
14        System.out.println("Nama          : "+anggota.getName());
15        System.out.println("Alamat       : "+anggota.getAlamat());
16        System.out.println("Jenis Kelamin : "+anggota.getJenisKelamin());
17        System.out.println();
18        helmMotor.tampilHelm();
19    }
20 }
```

Class Utama :

```
File Edit Selection View Go Run Terminal Help Utama.java - Pertemuan 8 (UTS) - Visual Studio Code
HelmFullface.java Utama.java x
1 public class Utama {
2     public static void main(String[] args) {
3         // Penitipan 1
4         DataPenitipan anggota1 = new DataPenitipan();
5         HelmFullface hfc = new HelmFullface("4 Buah AirVent", "Yes");
6         anggota1.setName("Muh. Fauzi Ramadhan");
7         anggota1.setJenisKelamin("Laki Laki");
8         anggota1.setAlamat("Mamuju");
9
10        hfc.setMerkHelm("Kyt");
11        hfc.setSize("XL");
12        hfc.setSymbolHelm("Stiker OHLINS");
13        hfc.setWarnaHelm("Putih");
14
15        Penitipan titip1 = new Penitipan();
16        titip1.anggota = anggota1;
17        titip1.helmMotor = hfc;
18        titip1.TampilDataAnggota();
19
20        // Penitipan 2
21        DataPenitipan anggota2 = new DataPenitipan();
22        HelmHalfFace hhc = new HelmHalfFace("Flat Visor", "Carbon");
23        anggota2.setName("Dian Safira");
24        anggota2.setJenisKelamin("Perempuan");
25        anggota2.setAlamat("Kediri");
26
27        hhc.setMerkHelm("Cargloss");
28        hhc.setSize("M");
29        hhc.setSymbolHelm("Gantungan Spiderman");
30        hhc.setWarnaHelm("Hitam");
31
32        Penitipan titip2 = new Penitipan();
33        titip2.motor(hhc, anggota2);
34        titip2.TampilDataAnggota();
35
36        // Penitipan 3
37        DataPenitipan anggota3 = new DataPenitipan();
38        HelmOffroad hof = new HelmOffroad("GoogleMask", "Crossover");
39        anggota3.setName("Maqbul Oko");
40        anggota3.setJenisKelamin("Laki Laki");
41        anggota3.setAlamat("Mojene");
42
43        hof.setMerkHelm("HKK");
44        hof.setSize("L");
45        hof.setSymbolHelm("Pilox Huruf X");
46        hof.setWarnaHelm("Hijau Tua");
47
48        Penitipan titip3 = new Penitipan();
49        titip3.motor(hof, anggota3);
50        titip3.TampilDataAnggota();
51    }
52 }
53
```

Hasil Praktikum :

```
pData\Roaming\Code\User\workspaceStorage\c3d3ec4488
----- Penitipan Helm -----
----- Data Anggota -----
Nama      : Muh. Fauzi Ramadhan
Alamat    : Mamuju
Jenis Kelamin : Laki Laki

----- Data Helm -----
Merk Helm : Kyt
Size Helm : XL
Symbol Helm : Stiker OHLINS
Warna Helm : Putih
----- Detail Helm -----
Tipe Helm : Full Face
Air Vent : 4 Buah AirVent
Removable Inner : Yes
-----

----- Penitipan Helm -----
----- Data Anggota -----
Nama      : Dian Safira
Alamat    : Kediri
Jenis Kelamin : Perempuan

----- Data Helm -----
Merk Helm : Cargloss
Size Helm : M
Symbol Helm : Gantungan Spiderman
Warna Helm : Hitam
----- Detail Helm -----
Tipe Helm : Half Face
Visor    : Flat Visor
Bahan    : Carbon
-----

----- Penitipan Helm -----
```

----- Penitipan Helm -----

----- Data Anggota -----

Nama : Maqbul Oko
Alamat : Majene
Jenis Kelamin : Laki Laki

----- Data Helm -----

Merk Helm : NHK
Size Helm : L
Symbol Helm : PiloX Huruf X
Warna Helm : Hijau Tua

----- Detail Helm -----

Tipe Helm : Off Road
Mask : GoogleMask
Chinguard : Crossover

PS C:\Users\PC\Downloads\Pertemuan 8 (UTS)\Pertemuan 8 (UTS)> |