

**PRAKTIKUM PEMROGRAMAN
BERORIENTASI OBJEK
UTS**



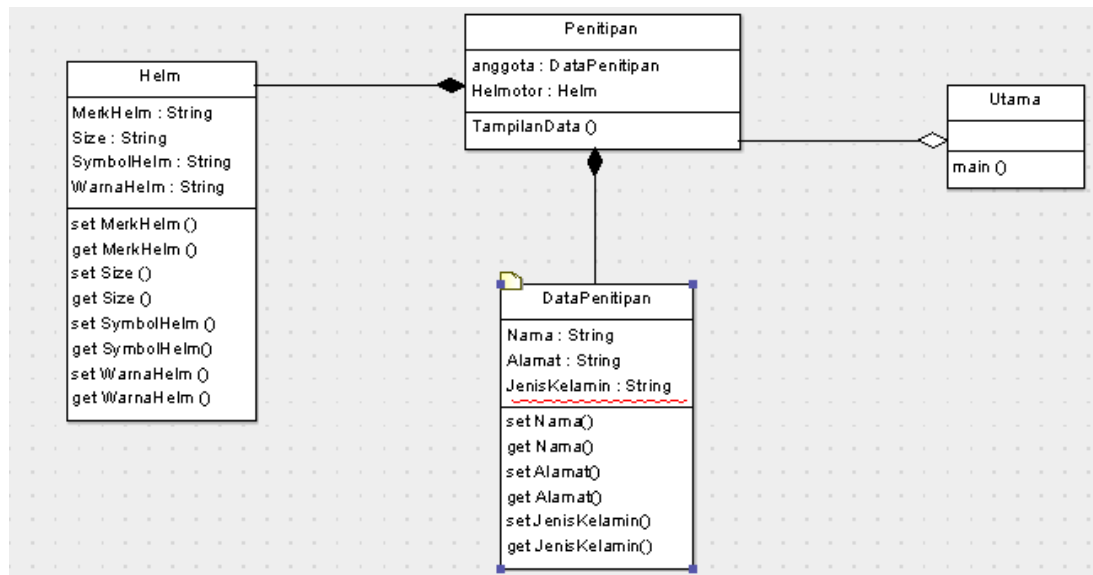
SEMESTER GANJIL TA. 2020/2021

DILAPORKAN OLEH :
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TI – 2B

**POLITEKNIK NEGERI MALANG
TEKNOLOGI INFORMASI
D4 TEKNIK INFORMATIKA**



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](https://github.com/PBO2122-TI2B/utspbo)

Source Code :

Helm.java

```

public class Helm {
    protected String MerkHelm;
    protected String Size;
    protected String SymbolHelm;
    protected String WarnaHelm;

    public void setMerkHelm(String MerkHelm) {
        this.MerkHelm = MerkHelm;
    }

    public String getMerkHelm() {
        return MerkHelm;
    }

    public void setSize(String Size) {
        this.Size = Size;
    }
}

```

```

    public String getSize() {
        return Size;
    }

    public void setWarnaHelm(String WarnaHelm) {
        this.WarnaHelm = WarnaHelm;
    }

    public String getWarnaHelm() {
        return WarnaHelm;
    }

    public void setSymbolHelm(String SymbolHelm) {
        this.SymbolHelm = SymbolHelm;
    }

    public String getSymbolHelm() {
        return SymbolHelm;
    }

    public void TampilanData () {
        System.out.println();
        System.out.println("=====Data Helm=====");
        System.out.println("Merk Helm : " + getMerkHelm());
        System.out.println("Size Helm : " + getSize());
        System.out.println("Symbol Helm : " + getSymbolHelm());
        System.out.println();
        System.out.println("=====Jenis Helm Open Face=====");
    }
}

```

OpenFace.java

```

public class OpenFace extends Helm{
    public String gogglesMask;
    public String bahan;

    public String getGogglesMask() {
        return gogglesMask;
    }

    public void setGogglesMask(String gogglesMask) {
        this.gogglesMask = gogglesMask;
    }

    public String getBahan() {

```

```

        return bahan;
    }

    public void setBahan(String bahan) {
        this.bahan = bahan;
    }

    public void TampilanData() {
        super.TampilanData();
        System.out.println("Goggles Mask : " + getGogglesMask());
        System.out.println("Bahan Helm : " + getBahan());
        System.out.println();
    }
}

```

DataPenitipan.java

```

public class DataPenitipan {
    private String Nama;
    private String Alamat;
    private String JenisKelamin;

    public void setName (String Nama) {
        this.Nama = Nama;
    }

    public String getName () {
        return Nama;
    }

    public void setAddress (String Alamat) {
        this.Alamat = Alamat;
    }

    public String getAddress () {
        return Alamat;
    }

    public void setJenisKelamin(String JenisKelamin) {
        this.JenisKelamin = JenisKelamin;
    }

    public String getJenisKelamin() {
        return JenisKelamin;
    }
}

```

Penitipan.java

```
public class Penitipan {
    public Helm Helmmotor;
    public DataPenitipan anggota;

    void motor(Helm Helmmotorbaru, DataPenitipan anggotabaru) {
        Helmmotor = Helmmotorbaru;
        anggota = anggotabaru;
    }

    void Tampilandata() {
        System.out.println("=====Data Anggota=====");
        System.out.println("Nama : " + anggota.getNama());
        System.out.println("Alamat : " + anggota.getAlamat());
        System.out.println("JenisKelamin : " + anggota.getJenisKelamin());

        Helmmotor.TampilanData();
    }
}
```

Utama.java

```
public class Utama {
    public static void main(String[] args) {
        OpenFace of = new OpenFace ();
        DataPenitipan anggota = new DataPenitipan();
        Penitipan titip = new Penitipan();

        anggota.setNama("Andi Mushawwir Rahmat");
        anggota.setJenisKelamin("Laki-Laki");
        anggota.setAlamat("Jalan Cakalang Indah 1 No.286K");

        of.setSize("L");
        of.setMerkHelm("Cargloss");
        of.setWarnaHelm("Hitam");
        of.setSymbolHelm("Logo Cargloss");
        of.setGogglesMask("Full Set");
        of.setBahan("Tri-Fiber Composite");

        titip.motor(of, anggota);
        titip.Tampilandata();
    }
}
```

Hasil :

=====Data Anggota=====

Nama : Andi Mushawwir Rahmat

Alamat : Jalan Cakalang Indah 1 No.286K

JenisKelamin : Laki-Laki

=====Data Helm=====

Merk Helm : Cargloss

Size Helm : L

Symbol Helm : Logo Cargloss

=====Jenis Helm Open Face=====

Goggles Mask : Full Set

Bahan Helm : Tri-Fiber Composite

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