## **PBO Teori**

## **Exercise 1**

```
public Mehanismistring mis, String mass, Jureau jeri (
this ASS - simp
this mass - mass;
this yer - juri
                                                                                                                       public sold setMON(String edm) (
         public class Turuson (
private String nama;
private String akreditasi;
                                                                                                                       return them. NOTE:
               public void setMama(String name) (
this.nama = name;
                                                                                                                       public wold setName(String mann) (
              public String getNama() (
    return this.mama;
                                                                                                                       public String getMana() (
              public void setAkreditasi(String akreditasi) (
    this.akreditasi = akreditasi;
                                                                                                                       public wold bether(houses per) (
this-per * ber)
              poblic String getAkreditasi() {
    return this.akreditasi;
                                                                                                                       public bureau gathe() () return this.jer;
              public void tampilkanlnfo() {
    System.out.println("Nejor: " + namm);
    System.out.println("Accreditation: " + akreditasi);
                                                                                                                       points and tempilarinfs() {
    bytes and printle finish [0] * + NIM()
    bytes and printle finish [0] * + NIM()
    bytes and printle finish (* + name))
    jor.tempilarinfs();
src > .J TestMahasiswa.java > 😭 TestMahasiswa > 💮 main(String[])

1 public class TestMahasiswa (
                  Run|Debug
public static void main(String[] args) {
                    Jurusan jur = new Jurusan();
jur.setNama(nama:"Teknologi Informasi");
                        jur.setAkreditasi(akreditasi:"A");
                                                                                                                                                      Student ID: 111001
                         Mahasiswa mhs = new Mahasiswa(nim:"111001", nama:"Jones", jur);
                                                                                                                                                       Student Name: Jones
                         mhs.tampilkanInfo();
                                                                                                                                                       Major: Teknologi Informasi
                                                                                                                                                       Accreditation: A
```

## **Exercise 2**

```
public void setBrand(String brand) {
    Uhls.brand = brand;
                                                                                                                                                     public String getBrand() {
    return this.brand;
                                                                                                                                                     public void setColor(String color) {
   this.color = color;
                                                                                                                                                     public String getColor() {
    return this.color;
                                                                                                                                                     public void setMaxSpeed(int maxSpeed) (
    this.maxSpeed = maxSpeed;
                private int capacity;
                                                                                                                                                     public void setEngine(Engine engine) (
    this.engine = engine;
                public void setCapacity(int capacity) (
    this.capacity = capacity;
                                                                                                                                                      public Engine getEngine() {
    return this engine:
                                                                                                                                                     public void increaseSpeed(int value) {
   if (currentSpeed + value <= maxSpeed) {
      currentSpeed += value;
   } else {</pre>
               public int getCepecity() (
return this.capecity;
                                                                                                                                                                currentSpeed = maxSpeed;
               public void setFuelType(String fuelType) (
    this.fuelType = fuelType;
                                                                                                                                                     public void decreaseSpeed(int value) {
   if (currentSpeed - value >= 0) {
      currentSpeed -- value;
   else {
      currentSpeed = 0;
   }
}
                       return this fuelType;
                                                                                                                                                     public void displayInfo() {
    System.out.println("Brand: " + brand);
    System.out.println("Color: " + color);
    System.out.println("Max Speed: " + maxSpeed + " km/h");
    System.out.println("Max Speed: " + currentSpeed + " km/h");
    engine.displayInfo();
                public vois displayInfo() {
    System.out.println("Engine Espacity: " * capacity + " cc");
    System.out.println("Fuel Type: " * fuelType);
src > J TestMotorcycle.java > ...
                       public static void main(String[] args) {
                             Engine eng = new Engine();
                              eng.setCapacity(capacity:150);
                               eng.setFuelType(fuelType:"Petrol");
                             Motorcycle mtr = new Motorcycle();
                               mtr.setBrand(brand:"Yamaha");
                               mtr.setColor(color:"Red");
                               mtr.setMaxSpeed(maxSpeed:180);
                               mtr.setEngine(eng);
                                                                                                                         Brand: Yamaha
```

Color: Red

Max Speed: 180 km/h Current Speed: 40 km/h

Engine Capacity: 150 cc Fuel Type: Petrol

mtr.increaseSpeed(value:60);

mtr.decreaseSpeed(value:20);

mtr.displayInfo();

private int currentSpeed; private Engine engine;

