OBJECT-ORIENTED PROGRAMMING WORK MODULE 10



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1. Practice

```
ActivityLampu Interface
- 0
         1 package ml0;
2 public interface ActivityLampu {
    public static final int LAMPU MIDUP=1;
    public static final int LAMPU MATI=0;
    public abstract void matikanLampu();
    public abstract void hidupkanLampu();
    }
}
                                                                                                                                                                                                                                                                                                        Writable
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 Lampu
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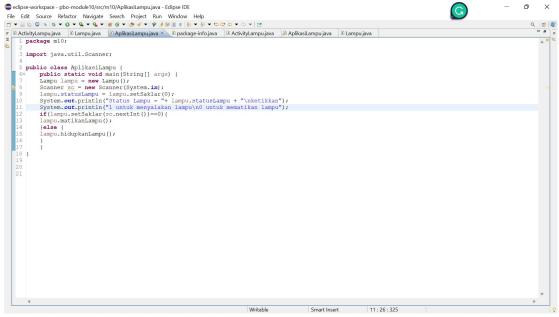
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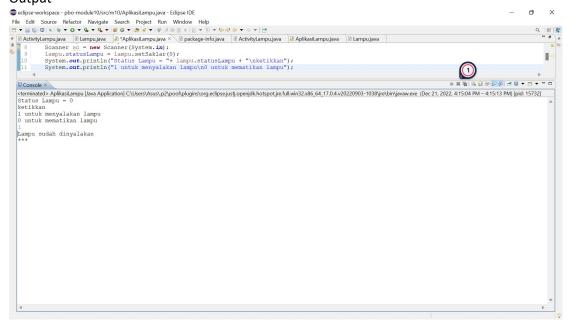
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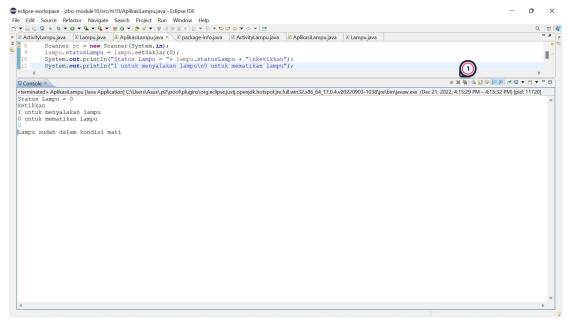
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                o
                  1 package m10;
2 public class Lampu implements ActivityLampu{
4 public int statuaLampu;
                                       goverride
public void matikanLampu() {
   if(statusLampu=0) {
    System.out.println("Lampu sudah dalam kondisi mati");
   pelse if(statusLampu=1) {
                                            statusLampu=-1;
System.out.println("Lampu sudah dimatikan");
                                       public int setSaklar(int saklar) {
    return statusLampu = saklar;
                                                                                                                                                                                                                                                                                                     Writable Smart Insert 21 : 58 : 516
```

AplikasiLampu



Output





Task

Modify the Lampu class above by adding a final static variable LAMP_DIMM, and adding a method to dim the lights. Next, create a class with the main() function to run it.

```
ActivityLampu Interface

continuous condition (Vision (Vision
```

Lampu

```
eclipse-workspace - pbo-module10/src/m10Tugas/Lampu.java - Eclipse IDE
                                                                                                                                                  - o ×
Q 🔡 🐉
        @override
goverride
gublic void matikantampu() {
   if(statusLampu=0) {
        System.out.println("Lampu sudah dalam kondisi mati");
        |else if(statusLampu=1) {
        statusLampu=-1;
            System.out.println("Lampu sudah dimatikan");
        }
   }
}
    public class Lampu implements ActivityLampu{
   public int statusLampu;
         }

@Override
public void redupkanLampu() {
System.out.println("redupkanLampu() status lampu : " + statusLampu);
if(statusLampu == 2){
System.out.println("Lampu sudah diredupkan\n***");
}else {
          System.out.println("Lampu sudah diredupkan\n***"); |else | statusLampu=+2; System.out.println("Lamu sudah dalam kondisi redup");
                  public int setSaklar(int saklar){
                       statusLampu = saklar;
System.out.println("sts lampu : " + statusLampu);
return statusLampu;
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AplikasiLampu
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                                                                                                                                                             Q # W
      import java.util.Scanner;
   la
]
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```

Output

