

Interface

- Interface digunakan apabila kita ingin menentukan apa yang harus dilakukan oleh suatu class tapi **tidak menentukan bagaimana cara untuk melakukannya**
- Interface sebenarnya sama dengan class, tapi hanya memiliki **deklarasi method tanpa implementasi**
- Keyword : *interface name*

TesInterface.java

```
interface IntLampu{  
    public static final int KeadaanHidup=1;  
    public static final int KeadaanMati=0;  
  
    public abstract void hidupkan();  
    public abstract void matikan();  
}
```



```
class Lampu implements IntLampu{
    private int statusLampu=0;

    public void hidupkan(){
        if (this.statusLampu == KeadaanMati){
            this.statusLampu = KeadaanHidup;
            System.out.println("Hidupkan Lampu! --> Lampu Hidup");
        }else{
            System.out.println("Hidupkan Lampu! --> Lampu Sudah Hidup
Kok");
        }
    }

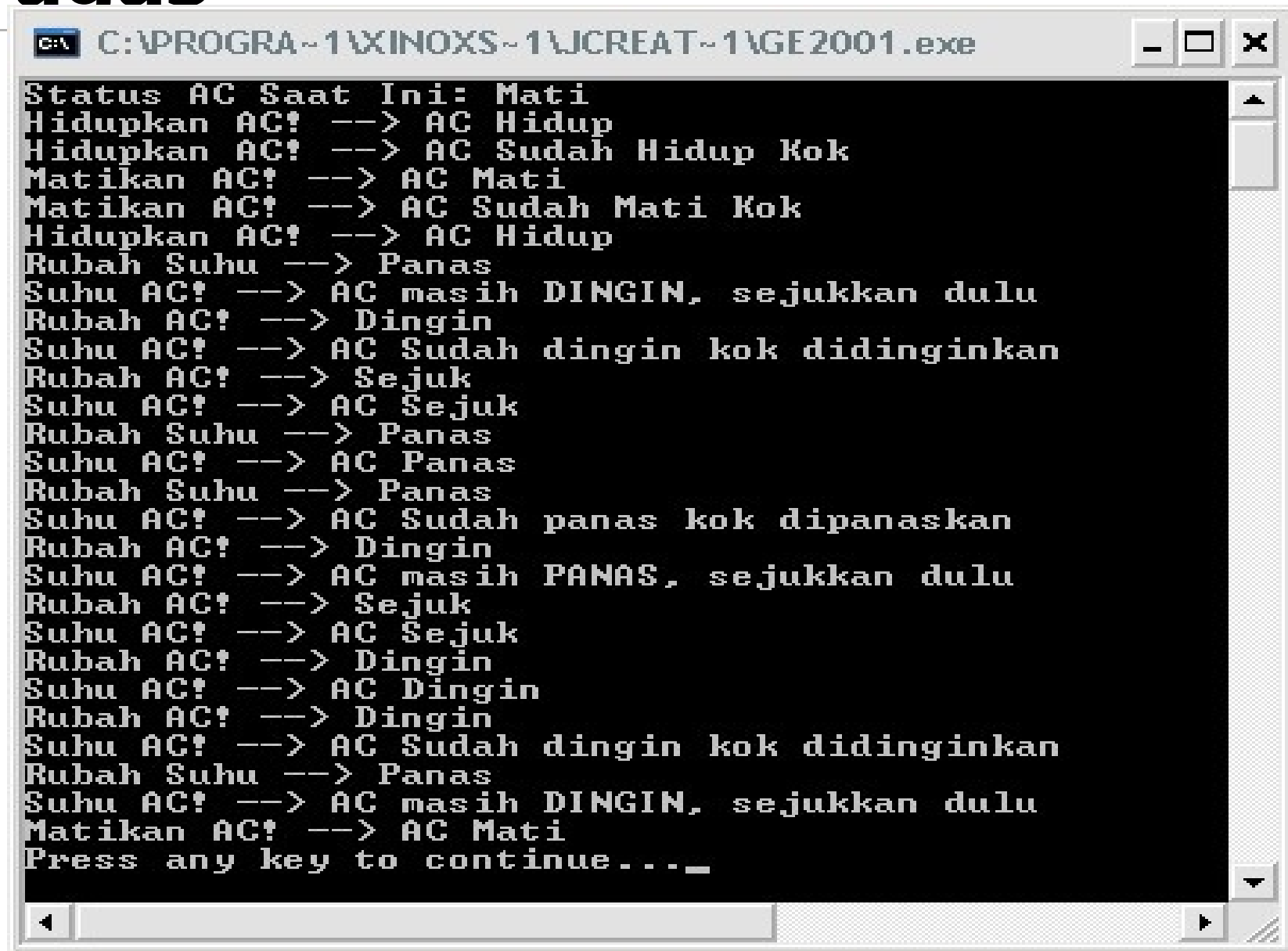
    public void matikan(){
        if (this.statusLampu == KeadaanHidup){
            this.statusLampu = KeadaanMati;
            System.out.println("Matikan Lampu! --> Lampu Mati");
        }else{
            System.out.println("Matikan Lampu! --> Lampu Sudah Mati
Kok");
        }
    }
}
```



```
public class TesInterface {  
    public static void main(String[] args){  
        Lampu lampuKamar = new Lampu();  
        System.out.println("Status Lampu Saat Ini: Mati");  
        lampuKamar.hidupkan(); //Hidupkan Lampu  
        lampuKamar.matikan(); //Matikan Lampu  
        lampuKamar.matikan(); //Matikan Lampu  
    }  
}
```



Tugas



```
C:\PROGRA~1\XINOXS~1\JCREAT~1\GE2001.exe

Status AC Saat Ini: Mati
Hidupkan AC? --> AC Hidup
Hidupkan AC? --> AC Sudah Hidup Kok
Matikan AC? --> AC Mati
Matikan AC? --> AC Sudah Mati Kok
Hidupkan AC? --> AC Hidup
Rubah Suhu --> Panas
Suhu AC? --> AC masih DINGIN, sejukkan dulu
Rubah AC? --> Dingin
Suhu AC? --> AC Sudah dingin kok didinginkan
Rubah AC? --> Sejuk
Suhu AC? --> AC Sejuk
Rubah Suhu --> Panas
Suhu AC? --> AC Panas
Rubah Suhu --> Panas
Suhu AC? --> AC Sudah panas kok dipanaskan
Rubah AC? --> Dingin
Suhu AC? --> AC masih PANAS, sejukkan dulu
Rubah AC? --> Sejuk
Suhu AC? --> AC Sejuk
Rubah AC? --> Dingin
Suhu AC? --> AC Dingin
Rubah AC? --> Dingin
Suhu AC? --> AC Sudah dingin kok didinginkan
Rubah Suhu --> Panas
Suhu AC? --> AC masih DINGIN, sejukkan dulu
Matikan AC? --> AC Mati
Press any key to continue...
```

Java API untuk Referensi Pemrograman



| | | | | | | | | | | | | | | | |
|-----------|------------------------------|-------------------------|--|--------------------|--|-----------------------|---------|---------------------|-------------------------|---------------------|-------|------------|------------|-------------------|--|
| JDK | Toolkits | Accessibility | | Drag n Drop | | Input Methods | | Image I/O | | Print Service | | Sound | | Java SE API | |
| | Integration Libraries | IDL | | JDBC™ | | JNDI™ | | RMI | | RMI-IIOP | | Scripting | | | |
| JRE | Other Base Libraries | Beans | | Intl Support | | I/O | | JMX | | JNI | | Math | | | |
| | | Networking | | Override Mechanism | | Security | | Serialization | | Extension Mechanism | | XML JAXP | | | |
| | lang and util Base Libraries | lang and util | | Collections | | Concurrency Utilities | | JAR | | Logging | | Management | | | |
| | | Preferences API | | Ref Objects | | Reflection | | Regular Expressions | | Versioning | | Zip | Instrument | | |
| | Java Virtual Machine | Java Hotspot™ Client VM | | | | | | | Java Hotspot™ Server VM | | | | | | |
| Platforms | Solaris™ | | | Linux | | | Windows | | | | Other | | | | |

Release Notes

Topics include New Features, Known Issues, Compatibility with Prior Releases, Supported System Configurations, Installation, and More)

API, Language, and Virtual Machine Documentation

[Java Platform API Specification](#) [\(NO FRAMES\)](#)
(included in the JDK documentation bundle and on java.sun.com)

[The Java Language Specification](#) [\(DOWNLOAD\)](#)

[Note About sun.* Packages](#)

[The Java Virtual Machine Specification](#) [\(DOWNLOAD\)](#)

Java™ Platform, Standard Edition 6 API Specification

This document is the API specification for version 6 of the Java™ Platform, Standard Edition.

See:

[Description](#)

Packages

| | |
|---------------------------------------|--|
| java.applet | Provides the classes necessary to create an applet and the classes an applet uses to communicate with its applet context. |
| java.awt | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| java.awt.color | Provides classes for color spaces. |
| java.awt.datatransfer | Provides interfaces and classes for transferring data between and within applications. |
| java.awt.dnd | Drag and Drop is a direct manipulation gesture found in many Graphical User Interface systems that provides a mechanism to transfer information between two entities logically associated with presentation elements in the GUI. |
| java.awt.event | Provides interfaces and classes for dealing with different types of events fired by AWT components. |



Referensi

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Oracle, 1995–2014.
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<http://www.oracle.com/technetwork/java/javase/downloads/jav-se-7-tutorial-2012-02-28-1536013.html>, Oracle, 2014.
- Java Platform, SE Documentation,
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- SCJP Sun Certified Programmer for Java™ 6 Study Guide Exam (310-065), Kathy Sierra & Bert Bates, Mc Graw Hill, 2008.
- Object Oriented Programming with Java, Romi Satria Wahono, 2008.



Rehat Sejenak

- [Evian](#)