Lecture 5. Displaying Messages in Java

Strings

Group of characters (Text)

Strings in Java should be put in double quotes (双引号).

```
"hello"
"this is a string"
"1"
"123"
"!@658&**"
""
//只要放在双引号之间，都是Java中的字符串
```

println( ) & print( ) methods

Calling Println( )

print (打印) + ln (换行)

Displays its parameter on the console window (在控制台窗口上显示其参数)

'ln' → 'line' is to break to a new line.

Calling Print( )

Displays its parameter on the console window

vs. println( ) → No line break

System.out.

- **out** is an object of the 'PrintStream' Class. (**out** 是"PrintStream"类的对象)
- **out** has the print( ) and println( ) methods. (**out** 具有 print( ) 和 println( ) 方法)

  → use '**.**' to access print( )/println( ) of **out**. (使用'**.**'访问**out**的print()/println())
- **out** refers to the standard output device. (Screen) (**out** 指的是标准输出设备)
- **System** is a Class (pascal case).
- **out** is inside **System** (field).

  → use '**.**' to access out of System.

  → System.out.println( )

`System` 是 Java 核心库中的一个类，它提供了与系统相关的方法和字段。其中，`out` 是 `System` 类的一个静态字段，它是一个 `java.io.PrintStream` 类的对象，用于处理标准输出流。`out` 对象允许你向标准输出流写入文本信息。