



한양대학교



# OBJECT-ORIENTED SYSTEMS DESIGN (Lab1)

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1-1

Write a program *FirstProgram* that prints the output below.  
Create a variable *answer* that stores the result of 2 plus 2.

<output>

```
Hello reader.  
Welcome to Java.  
Let's demonstrate a simple calculation.  
2 plus 2 is 4
```

Write a program *StringProcessDemo* that prints the output below. You should use methods *indexOf()*, *substring()*, and *length()*.

<output>

```
01234567890123456789012
I hate text processing!
The word "hate" starts at index 2
The changed string is:
I adore text processing!
```

Write a program *ShowInterest* that prints the output below.

Create a named constant *INTEREST\_RATE* whose value is 2.5, a variable *balance* whose value is 100.0, and a variable *interest* which stores the value calculated by the following equation.

$$interest = balance * (INTEREST\_RATE / 100.0);$$

<output>

```
On a balance of $100.0  
you will earn interest of $2.5  
All in just one short year.
```