



- 가
- 8가 ( ) , , , ,



- 가 4가
- 가

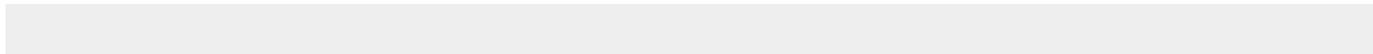


- boolean true false 1
  - : false
- char (2 byte ) 2byte
  - : \u0000
- byte 가 1byte byte.
  - : 0
- int(4 byte) (2 byte) (8 byte)
  - : 0
- float (floating-point) float
  - : 0.0F
- double float (8byte) double
  - : 0.0



- (precision)가 , 가 가
- float 7 10 7 double

- (Primitive Type) (Reference Type)
- (Primitive Type) : (boolean), (char), (byte, short, int, long), (float, double)
- (reference type) : Java.lang.Object

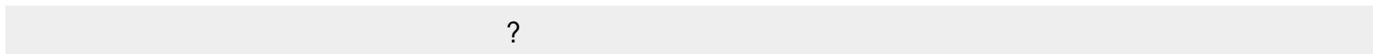


- 
- 2020



- , 2020, 123, 3.14, "ABC"

- 



- (Immutable) (immutable class)
- 
- Ex: Java.lang.String java.awt.Color



- : (type)
- : 가



(initialization)



- year 가 = 2020 year int
- ,
- ,

1. **(explicit initialization)**

: 가

## 2. (initialization block)

:

```

class ExplicitInitialization {
    static {
        /*          */
    }
    {
        /*          */
    }
}

```

- : 가
- : 가

## 3. (constructor)

:

가

```

class A {
    int instanceValue; //
    static int classValue; // (static, )
    void method(){
        int localValue = 0; //
    }
}

```

static 가 static 가 localValue ,

1.



1) **(instance variable)**

- 
- 가
- Ex: 1000 가
- 가

2) **(class variable)**

- static 가 가
- 가
- (global variable) 가

```
class LottoTicket {
    public static final LOTTO_PRICE = 1000;
    ...
}
public static void main(String[] args) {
    //LottoPrice: 1000
    System.out.println("LottoPrice: "+ LottoTicket.LOTTO_PRICE);
}
```

3) **(local variable)**

- 가
- for while

```
public static void main(String[] args) {
    for (int i = 0; i < 10; i++) {
        System.out.println("i = " + i);
    }
    System.out.println("i = " + i);//Checked Exception
}
```

( )

1.



( 가 .)

2.



3.

```

class InitTest {
    static int classValue = 1;
    int instanceValue = 1;
    static {
        classValue = 2;
    }
    InitTest() {
        instanceValue = 3;
    }
}

```



- (1~3): 가 .
- (4~7): .
- \_\_\_\_\_ .

,

가 .

□ (type)operand

```
double value = 123.456;
int score = (int)value;
System.out.println(value == 123.456); //true
```

(primitive type) boolean 가 .  
 , 가 ( )가  
 (loss of data) .

가 가 가 가  
 . byte b = 10000; . byte -128~127 . byte c = (byte)10000;  
 가 . java  
 가 . Untitled.png

1 2

, var

## Ref

<https://catsbi.oopy.io/6541026f-1e19-4117-8fef-aea145e4fc1b>  
<https://github.com/whiteship/live-study/issues/2>

From: <http://rwiki.repia.com/> - . - 2023.12

Permanent link: <http://rwiki.repia.com/doku.php?id=wiki:java:java-lecture:2week&rev=1610710829> 

Last update: **2022/03/10 19:52**