

,

,



- 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



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

2



가

## 1. (explicit initialization)

## 2. **(initialization block)**

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

### 3. (constructor)

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

static 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 2

, var

## Ref

<https://catsbi.oopy.io/6541026f-1e19-4117-8fef-aea145e4fc1b>

<https://github.com/whiteship/live-study/issues/2>

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