



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

- | (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
- , .
- ,

가

1. **(explicit initialization)**

## 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 2

, var

## Ref

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

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

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