

,

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- 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
- 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 |

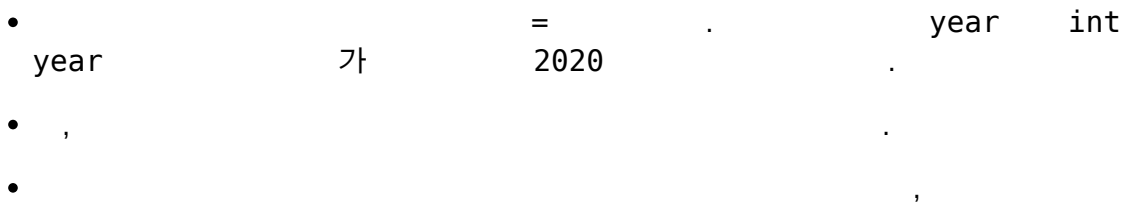
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- 2020



- , 2020, 123, 3.14, "ABC"
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?

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



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.



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가 .

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```
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 .

```
byte b = 10000; // . byte -128~127 .
byte c = (byte)10000; // 가 .
```

- 가 가

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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