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,

×

• 가

• 8가 () , , , ,

.

×

• 가 4가

• 가

×

• boolean true false 1 .

o : false

• char (2 byte) 2byte

· : \u0000

• byte 가 1byte byte.

· : 0

• int(4 byte) (2 byte) (8 byte)

· : 0

• float (floating-point) float

• : **0.0**F

• 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"

•

?

• (Imutable) .(
(imutable class))

• [Ex: Java.lang.String java.awt.Color

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×

• : (type)

• : . 가

,

(initialization)

×

• = . year int

year 가 2020

• ,

•

.

, 가 .

1. (explicit initialization)

: , 가

2. (initialization block)

:

• : . 가

• : . 가

3. (constructor)

: 가

. ,

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

. static 가 localValue

.

1.

×

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```
1)
             (instance variable)
                                                          가
                                                             가
   • Ex:
                                                 1000
    가
2)
           (class variable)
                                             가
                                                                         가
              static
                                          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);
         (local variable)
3)
                                       가
            while
   for
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.

```
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×
                                         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

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

가

• (primitive type) boolean
• , フト ()가

• , 가 ()가 (loss of data)

• · 가 가

• , 가 가

```
byte b = 10000; // . byte -128\sim127 . byte c = (byte)10000; // . . .
```

• 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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