



자료형	저장 가능한 값의 범위	크기	
		bit	byte
Boolean	false, true	8	1
char	'\u0000' ~ '\uffff'(0~2 <sup>16</sup> -1, 0~65535)	16	2
byte	-128 ~ 127(-2 <sup>7</sup> ~2 <sup>7</sup> -1)	8	1
short	-32,768 ~ 32,767(-2 <sup>15</sup> ~2 <sup>15</sup> -1)	16	2
int	-2,147,483,648 ~ 2,147,483,647(-2 <sup>31</sup> ~2 <sup>31</sup> -1, 약 ±20억)	32	4
long	-9,223,372,036,854,775,808 ~ 9,223,372,036,854,775,807(-2 <sup>63</sup> ~2 <sup>63</sup> -1)	64	8
float	1.4E-45 ~ 3.4E38(1.4*10E-45f ~ 3.4*10E+38f)	32	4
double	4.94065645841246544E-324 ~ 1.79769313486231570E+308	64	8

- 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

자료형	저장 가능한 값의 범위	정밀도	크기	
			bit	byte
float	1.4E-45 ~ 3.4E38	7자리	32	4
double	4.9E-324 ~ 1.8E308	15자리	64	8

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

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

- 
- 2020

```
int year = 2020;
```

The diagram shows the code `int year = 2020;`. A green underline is under `year`, with a green arrow pointing down to the Korean label `변수` (variable). Another green underline is under `2020`, with a green arrow pointing down to the Korean label `리터럴` (literal).

- , 2020, 123, 3.14, "ABC"

?

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

,

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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