JAVA PRIMITIVES

THE BUILT IN

BASIC DATATYPES

SIMPLE

"FREE"

NUMERIC TYPES

int ±2B

WHOLE NUMBERS

double

$\pm 2 \times 10^{306}$

$+\infty, -\infty$, NaN

REALS

OTHER NUMERICS

byte, short, long, Float

-128 ↔ 127 ±32K ±9Quint $\pm 2 \times 10^{38}$

char

EQUIV OF A SHORT

SINGLE UNICODE VALUES

NO EMOJI :(

BOOLEAN

THE FOUNDATION OF COMPUTER LOGIC

true

false

Wrapper Classes

How to interact w/ Collections

Extract from Strings

AutoBoxing / UnBoxing

PRIMITIVE PARAMETERS

WHEN A PRIMITIVE VALUE IS SENT AS A PARAMETER THE METHOD GETS A COPY OF THE PRIMITIVE VALUE. THE ORIGINAL IS **UNCHANGED**

WRITING LONG VALUES

YOU CAN SEPARATE NUMBER GROUPS WITH A _ TO MAKE IT EASIER TO READ/WRITE

```
int sample = 1_123_000;
double other = 0.000_000_000_123;
```