L2 Introduction to [lang]



Writing our first program

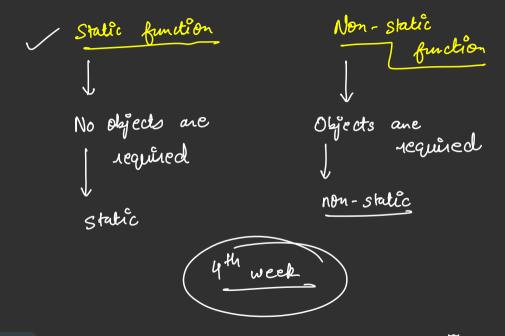
```
public class Main
 public static void main (String ang [])
    System. out. punt (66 Hello 11);
   System. out. pûntlu (66 World ?1);
            HelloWorld
```

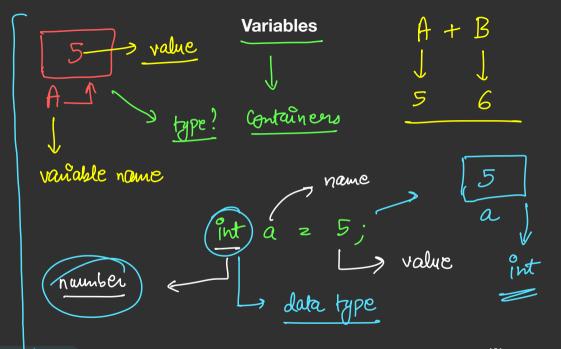
Made with Goodnot

word

google

LearnYard





- number integer float a = S.O; deamal L, float/double a

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int = 5 Data types out -> 4 bytes 2 109 -2* 109 to <u>-ve</u>, +ve long -> 8 bytes -2410 to 241018

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long a z 1000 000 000 000; chor as integer Compile time

Float / Double Java → integer ligit Decemal

type casting L. 9.75?

L. 5.45

J. deamal LearnYard

double a 2 boolean datatype ture (fale char x different data type a = " Sakstram Avora";

boolean a 2 tune; a% 6 boolean tme Remainder

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Operators

Arithmetic Operator & Assignment Operator

int
$$a = 15$$
;
int $a = 15$;
int $b = 6$;
kemainder double $b = 5$. S;
int $b = 6$;
int $c = a/b \rightarrow \frac{15}{6} = 2$
 $a/b \rightarrow a/b$

Operators

Relational and Logical Operator

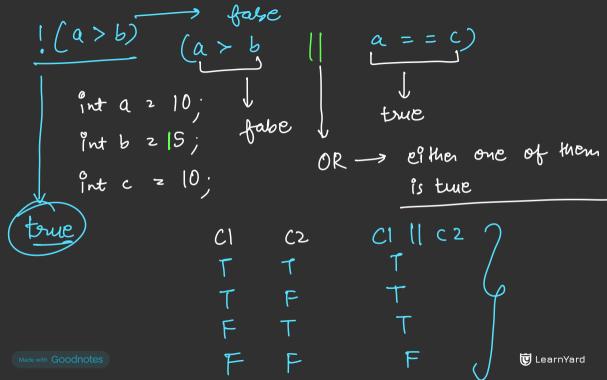
$$a > b \rightarrow fabe$$
 $a < z > b \rightarrow true$
 $a > z > b \rightarrow fabe$
 $a > z > b \rightarrow fabe$

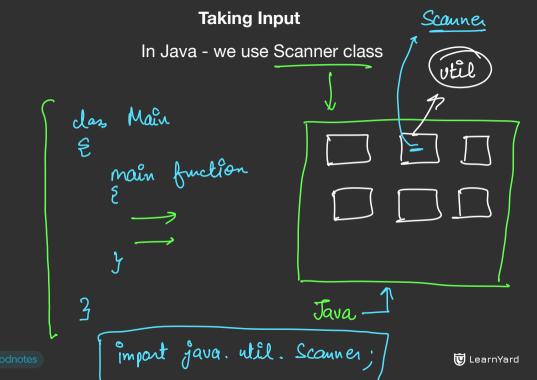
Jabe

5 < = 5 1

↓ true

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2) Object acation Scanner (ûn) 2 new Scanner (System. in); 3) Functions z in. neut It (); in. nevt Int () in. neut Long() (a) -> (5) -> (nt

in. neut Eloat (); } Decimal
in. neut Double (); in nent (); - ward in neutline () -> sentence in neut Boolean () -> ture / false

Type Casting

Bigger -> Smaller

Implicit Type Casting

smaller J birser

By default

Suit a 2 10;

long b 2 a;

Explicit Type Casting

Homework Question

- 1. Enter two numbers and perform all arithmetic operations
- 2. Enter P, R, T and calculate simple interest.



Next Class Plan

- 1. Conditional Statements
- 2. Loops
- 3. Some Practice



Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE!

