

Compiler → JDK ✓ → 17 → 8

Interpreter → JVM ✓

Editor → Notepad, sublime,  
VS Code,

IDE → Eclipse, Netbeans.

IntelliJ IDEA ✓

Integrated  
Development  
Environment

## Variables, Data-types & Operators.

a  
5  
variable

a = 5

int → 4 bytes

double → 8 bytes

boolean → 1 byte

char → 2 bytes

8 → long  
2 → short  
1 → byte

4 bytes → float

Primitive  
Data-  
types

→ int a=5;

→ int b=a++ + ++a + a--;

19

a = 5, 6, 7, 6

[Identifiers]

class Alien → Identifier  
{

int age;

void code()

{

}

}

$\&$  AND

(11)  $\rightarrow$  OR

)  $\rightarrow$  NOT

$$T \ T \rightarrow T$$

$$T \ T \rightarrow T$$

$$T \rightarrow F$$

$$T \ F \rightarrow F$$

$$T \ F \rightarrow F$$

$$F \rightarrow T$$

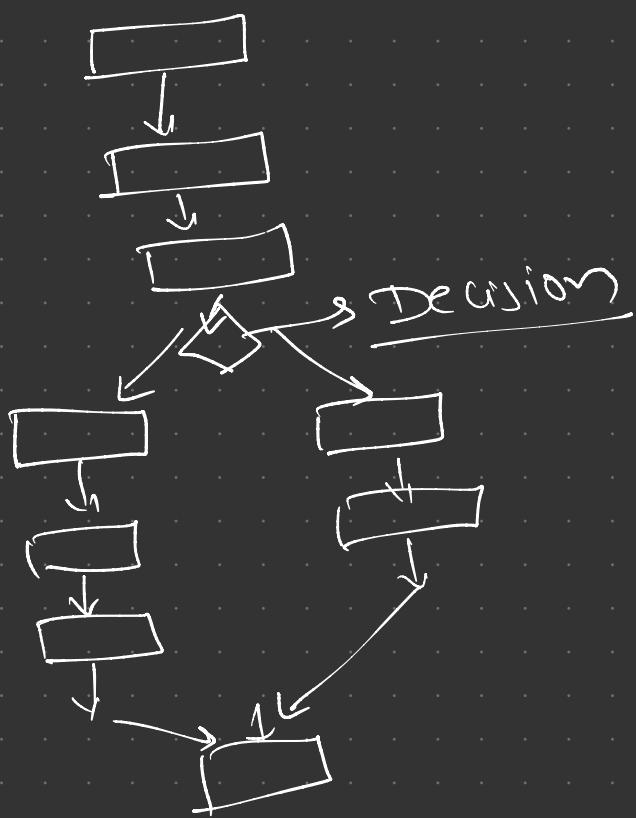
$$F \ T \rightarrow F$$

$$F \ T \rightarrow T$$

$$F \ F \rightarrow F$$

$$F \ F \rightarrow F$$

$$F \rightarrow F$$



$$a=5$$

$$b=0$$

$$b = \frac{a+f}{5} + \frac{t+g}{7}$$

$$a=7$$

(12)

# Loops



while, for, do while

for each (Enhanced)

\* \* \* \*

int i = 1; →

while (i <= 5) ⑥ <= 5

{  
    SOP ("\*");  
    i++;  
}

\* \* \* \*  
\* \* \* \*  
\* \* \* \*  
\* \* \* \*  
\* \* \* \*

↓ ↓ ↓ ↓  
1 2 3 4  
↓ ↓ ↓ ↓  
1 2 3 4  
↓ ↓ ↓ ↓  
1 2 3 4  
↓ ↓ ↓ ↓  
1 2 3 4

✓ 1 → \* \* \* \*

2 → \* - - \*

3 → \* - - \*

✓ 4 → \* \* \* \*

↑ ↑ ↑ ↑

1 2 3 4

✓

A decorative border made of green asterisks (\*). The border consists of two rows of asterisks. The top row has five asterisks, and the bottom row has four asterisks. The asterisks are arranged in a staggered pattern, creating a diamond-like shape in the center.

# TELUSKO

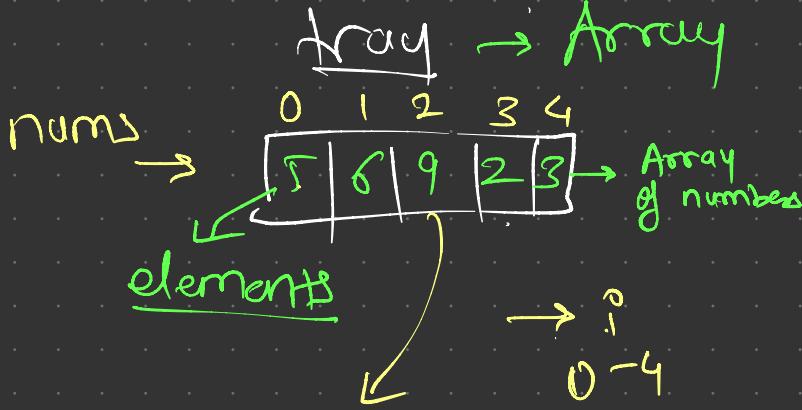
# JINEURON

Array

6

navin

5, 6, 9, 2, 3



nums[2] → 9

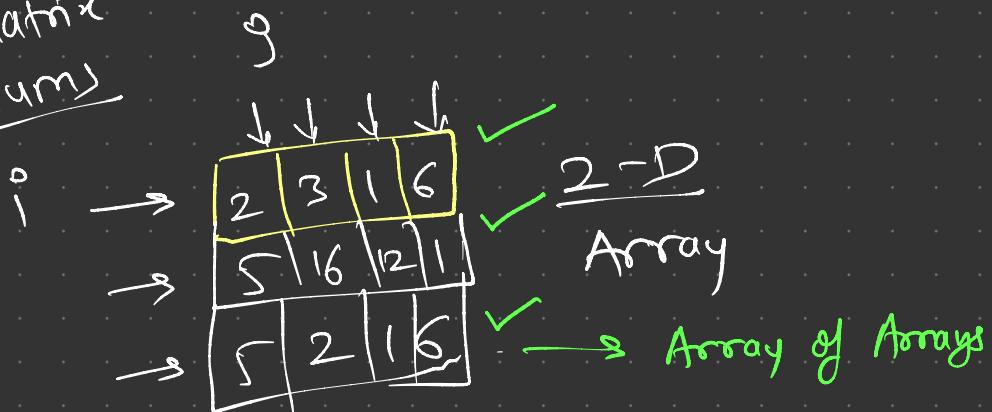
int nums[] = new int[5]; ✓

0 0 0 0 0  
0 1 2 3 4

matrix

nums

9



nums[] []

