

$\frac{4}{10}$

$$\frac{132 \div 10}{10}$$

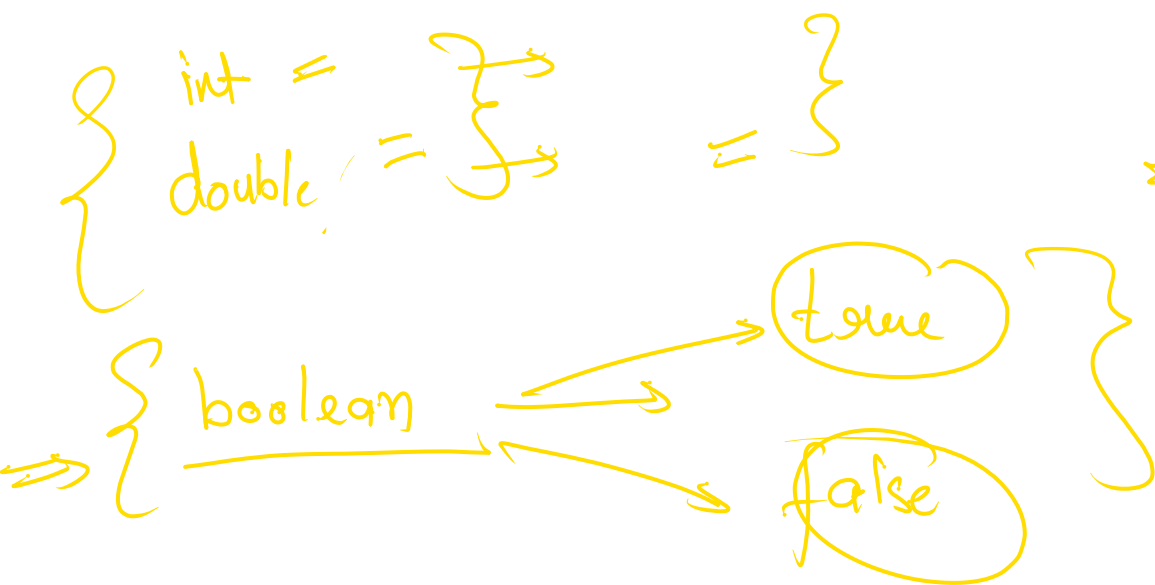
$$\begin{array}{r}
 1328 \\
 \hline
 16 \overline{) 13284} \\
 \underline{101} \\
 32 \\
 \underline{30} \\
 28 \\
 \underline{20} \\
 84 \\
 \underline{80} \\
 4 =
 \end{array}$$

$$\begin{array}{r} 13 \textcircled{5} \\ 23 \textcircled{7} \end{array}$$

$$\underline{\underline{8 + 7}}$$

$$\hookrightarrow \underline{\underline{12}}$$

$$\underline{\underline{12}}$$



Comparison Operators

$== \rightarrow$ equals

$< \rightarrow$ less than

$> \rightarrow$ greater than

$<= \rightarrow$

$>= \rightarrow$

$!= \rightarrow$ not equals

$$7 <= (18/2)$$

$$\begin{array}{c} \downarrow \quad \downarrow \quad \downarrow \\ 2 \quad \textcircled{12} \quad 3 \quad \textcircled{true} \\ \downarrow \quad \downarrow \\ \text{true} \end{array}$$

$$\textcircled{\text{false}} \quad 2 == (1+1) \rightarrow \text{true}$$

true
false

$$(3+4) < (5+2)$$

$$7 < 7$$

true

false

false

true

5.5

$$\begin{array}{c} 2 \\ == \\ 2 \end{array}$$

$$\text{true} \quad \boxed{5 \neq 5} \quad \text{false}$$

$$(2+3) \neq (11/2)$$

$$\textcircled{5} \neq 5 \quad \boxed{\text{false}}$$

$$(7+2) \neq (5+5)$$

$$\underline{9} \neq \underline{10} \quad \boxed{\text{true}}$$

$$\downarrow$$

$$\underline{8} \leq 8$$

$$<$$

$$=$$

$$\{ \neq \} = \text{true}$$

$$(2+3) \neq 11/2$$

$$5 < 5 \rightarrow \text{false}$$

$$\{ \underline{8} \leq 8 \} \rightarrow \text{true}$$

even or not

→ 47

{ true
false

2 1/2 →

0 true

47 → 0

→

false

age
↳ age ≥ 18 \rightarrow $=$
↳ $=$ allowed to vote

else
↳ not allowed to vote

marks
↳ 33%
↳ passed ✓
↳ fail ✓

```
int age = scn.nextInt();
```

```
if ( condition ) {
```

boolean

}

```
    _____  
    _____  
    _____  
    _____
```

```
else {
```

```
    _____  
    _____  
    _____  
    _____
```

```
}
```

true
false


```
public static void main(String[] args) {
```

```
    int age = 3;
```

```
    if(age >= 18) {
```

```
        System.out.println("Allowed to vote.");
```

```
    } else {
```

```
        System.out.println("Not allowed to vote.");
```

```
    }
```

```
}
```

3

$3 \geq 18$

false

too fast
too slow

perfect

$$\begin{cases} x = 2 \\ y = 3 \end{cases}$$

$$z = 6$$

$$w = 1$$

$$\underline{x+y} == \underline{z*w}$$



→ True

False