

## Revision.

①

```
*****  
*  
*  
*  
*****
```

```
println(" * * * * * ")  
println(" * ")  
println(" * ")  
println(" * ")  
println(" * ")  
println(" * * * * * ")
```

②  $x = i/p \rightarrow \text{scn.nextInt()};$   
 $y = i/p$   
 $\text{syso}(x+y)$   
 $\text{syso}(x-y)$  ✓

③ Area of Perimeter.

$l = i/p$   
 $b = i/p$

}

area =  $l \times b$   
perimeter =  $l + l + b + b$

④ far. & cel.

$f \rightarrow \text{cel.}$

32

$(f - 32) \times \frac{5}{9} \rightarrow 0.0$  ✓

## Add Last Digits

$$\begin{array}{rcl} n = 1234 & \xrightarrow{\quad} & d1 = 4 \\ m = 721 & \xrightarrow{\quad} & d2 = 1 \\ & & \hline & & 5 \end{array}$$

%

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         int n = scn.nextInt();
9         int m = scn.nextInt();
10
11
12         int d1 = n % 10;
13         int d2 = m % 10;
14
15         System.out.println(d1+d2);
16
17     }
18 }
```

boolean  
true  
false

boolean ans = true;

boolean ans = false;

Comparison Operator.

a = 10

( < , > , ≤ , ≥

≤ , ≥ ,

Equal to

(=) → maths.

(==) → C.S.

a = 10

b = 5.

a < b.

10 < 5 → false

# Greater than 100 or not

Problem	Submissions	Leaderboard	Discussions
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You will be given an integer as input, you have to print true if the number is greater than 100 and false otherwise.

$n > 100$

72 ✓  
100  
102

$$\begin{cases} n > 100 \rightarrow \text{true} \checkmark \\ n \leq 100 \rightarrow \text{false} \checkmark \end{cases}$$

$n > 100$   
 $72 > 100 \rightarrow \text{false.}$   
 $100 > 100 \rightarrow \text{false}$   
 $102 > 100 \rightarrow \text{true}$

You will be given four integer inputs  $x, y, z, w$ . Print true if  $x*y$  is equal to  $z*w$  and false otherwise.

4 i/p  $\begin{cases} x \\ y \\ z \\ w \end{cases}$

$(\underline{x * y} == \underline{z * w}) \rightarrow \text{true}$   
 $\rightarrow \text{false.}$

# Even or not

Problem

Submissions

Leaderboard

Discussions

You have to take an integer as input and print `true` if it is an even number and `false` otherwise.

even  $\rightarrow$  true

odd  $\rightarrow$  false.

$n \rightarrow$  i/p

$\hookrightarrow$  32

$$\begin{array}{r} 16 \\ 2 \overline{) 32} \\ \underline{32} \\ 0 \end{array} \quad \text{even}$$

$$\begin{array}{r} 15 \\ 2 \overline{) 31} \\ \underline{30} \\ 1 \end{array} \quad \text{odd.}$$

$$n \% 2 == 0 \rightarrow \text{even.}$$

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5
6     public static void main(String[] args) {
7         Scanner scn = new Scanner(System.in);
8         int n = scn.nextInt(); // 5
9
10        System.out.println(n % 2 == 0);
11    }
12 }
```

$$5 \% 2$$

$$\begin{array}{r} 2 \overline{) 5} \\ \underline{4} \\ 1 \end{array}$$

$$4 \% 2 == 0$$

$$0 == 0 \rightarrow \text{true.}$$

$$\begin{array}{r} 2 \overline{) 4} \\ \underline{4} \\ 0 \end{array}$$

# Conditional State ment

if - else.

if ( condition ) <sup>true</sup>

{  
    ~  
    ~  
    ~  
}

```
public class Main
{
    public static void main(String[] args) {
        int a = 20;

        if( a < 10 )
        {
            System.out.println("a is smaller");
        }
        else
        {
            System.out.println("a is not smaller");
        }
    }
}
```

Que. 1. Can we write if without else?

YES

Que 2. Can we write else without if?

NO

# Adult or not 1

Problem

Submissions

Leaderboard

Discussions

You will be given the age of a person as an integer input, you need to print "Adult" if the age is greater than or equal to 18 and print "Below age" if the age is below 18.

<sup>o</sup>  
i/p

$\text{age} \geq 18 \rightarrow \text{Adult}$

$\text{age} < 18 \rightarrow \text{Below age}$



# Sum is less than 150 or not.

Problem

Submissions

Leaderboard

Discussions

You will be given three integer inputs x, y, z. You have to find the sum of these inputs. Print true if the sum is less than 150 and false otherwise.

i/p  $\begin{Bmatrix} x \\ y \\ z \end{Bmatrix}$

$$x + y + z < 150$$