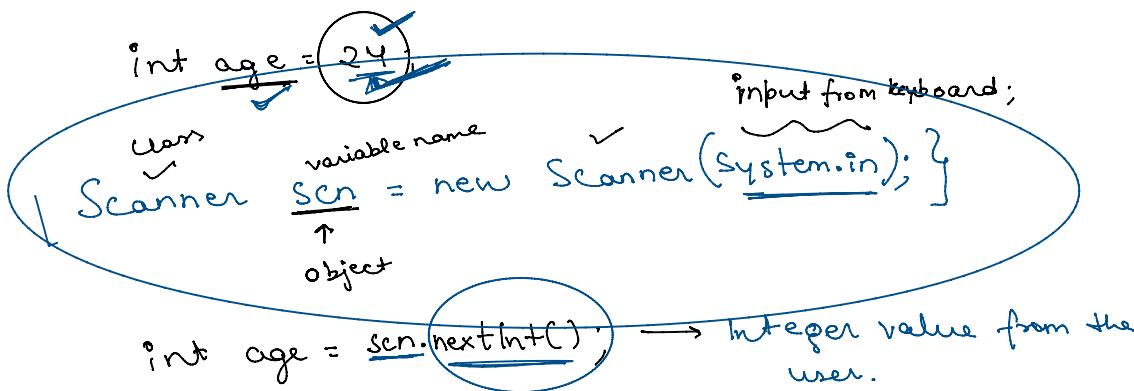


- Input from the user ;



```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);

    int age = scn.nextInt(); // User input
    System.out.println(age); // Output to console
}
```

→ input from the user

27 → input box

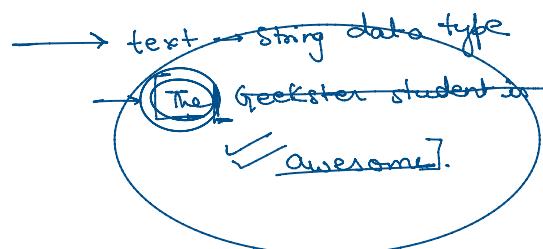
```
public class Main {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);

        double salary = scn.nextDouble(); // Method
        System.out.println(salary); // decimal value
    }
}
```

2400000.453

```
public class Main {
    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);

        String name = scn.next(); // Datatype
        System.out.println(name);
    }
}
```



```

public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String name = scn.nextLine();
    System.out.println(name);
}

```

The Geekster :
 double → data type that can store decimal value

next() nextLine()
 first word whole sentence

Comparison Operator

$>$, $<$, \geq , \leq , \neq , \equiv , \neq

} Boolean data-type

$7 > 4$; → true $\overset{\circ}{=}$ assign

$3 \overset{\circ}{=} 3$; → True ✓ int age = 4;

$21 \geq 20$ → True

$33 \leq 4$ → false

$6 \neq 7$ → true

$13 \neq 6$ → true

$13 \neq 13$ → false

Sum and Difference of x and y
 addition subtraction
 Sum = $x + y$
 diff = $x - y$

$8 - 10 \rightarrow \text{zoom}$

You will be given two integers x and y . You have to print the sum of x and y in the first line, and the difference of x and y in the second line.

First integer input should be stored in x , Second integer input should be stored in y .

$x + y$

$x - y$

test-cases
 ↗ input

```

Scanner scn = new Scanner(System.in);
int x = scn.nextInt(); ✓
int y = scn.nextInt(); ✓
System.out.println(x+y);
System.out.println(x-y);

```

Input

```
System.out.println(x+y);  
System.out.println(x-y);
```

This test cases will act as an input taken by the user

✓ Test Case #0
✓ Test Case #3

✓ Test Case #1
✓ Test Case #4

✓ Test Case #2

Area and Perimeter 5

Problem

Submissions

Leaderboard

Discussions

Take length and breadth of the rectangle as input and print area of the rectangle in the first line and perimeter of the rectangle in the second line.

Input Format

In the first line, length of the rectangle is given as input. In the second line, breadth of the rectangle is given as input.

```
Scanner scn = new Scanner(System.in);
```

```
int length = scn.nextInt(); — 10 20
```

```
int breadth = scn.nextInt(); → 20 30
```

```
int area = length * breadth; — 10*20=200 → 200*300→600
```

```
int perimeter = 2 * (length + breadth); → 2(10+20) → 2(20+30)  
2(30)=60 → 2(50)=100
```

```
System.out.println(area); ✓
```

```
System.out.println(perimeter); ✓
```

Sample Input 0

10
20

Sample Output 0

200 ✓
60 ✓

20 ✓
30 ✓

Sample Output 1

600 ✓
100 ✓

level up

homework → practice

classwork → assignment

{ 11am - 7pm }
solve all query.

Fahrenheit and Celsius

Problem

Submissions

Leaderboard

Discussions

You will be given Fahrenheit as input that should be stored in a double variable and print your answer in Celsius of data-type double.

Input Format

In each test case, you will get Fahrenheit as input.

Constraints

Fahrenheit will be given as a double data-type.

Output Format

Scanner scr = new Scanner(System.in);

double fahrenheit = scr.nextDouble();

double celsius = (fahrenheit - 32) * 5/9; ✓

System.out.println(celsius);

$$((fah. - 32) * 5) / 9;$$

Add Last Digits

Problem

Submissions

Leaderboard

Discussions

You will be given two numbers of int data-type as input, and you have to print the sum of their last digits as output.

Test Case 1:

Given Inputs: 2357 48986

Expected Output: 13

$$\begin{array}{r} 2357 \\ 48986 \\ \hline 7 + 6 = 13 \end{array}$$

Explanation: The last digit of 2357 is 7 and the last digit of 48986 is 6, and the sum of these last digits is 13. Hence the output is 13.

$$\begin{array}{r} 235 \\ 48986 \\ \hline 7 + 6 = 13 \end{array}$$

Scanner scr = new Scanner(System.in);
int x = scr.nextInt();
int y = scr.nextInt();
System.out.println((x%10) + (y%10));
235%10 + 48986%10;
7 + 6 ;
13 ✓

Second last digit = 1000;

Greater than 100 or not

Problem

Submissions

Leaderboard

Discussions

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

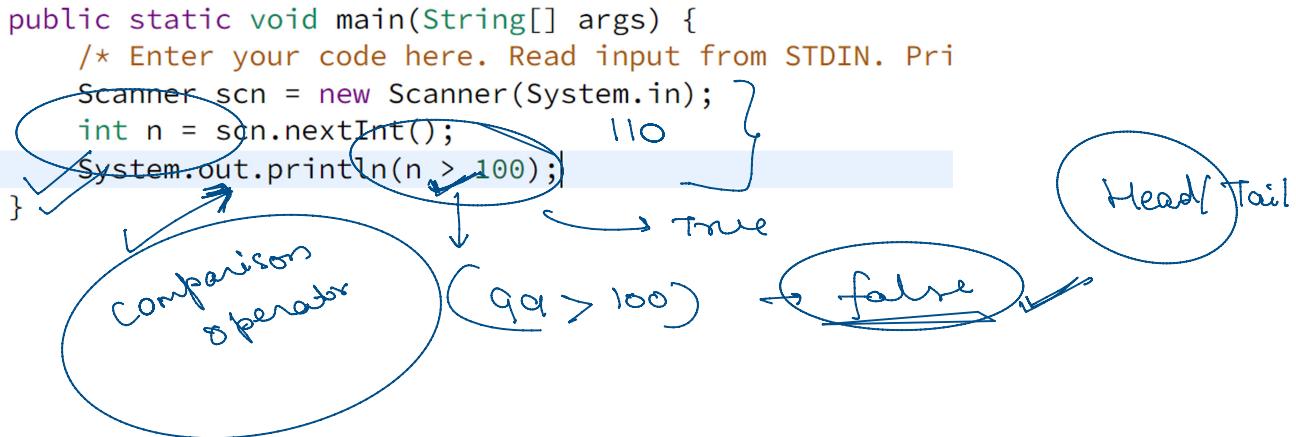
Test Case 1:

Input: 110

Output: true

110 > 100 → true

Explanation: Since the given input is greater than 100, we printed true.



Sum is less than 150 or not.

[Problem](#)
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[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.

Input Format

For each test case, In the first line, you will be given the value of x . In the second line, you will be given the value of y . In the third line, you will be given the value of z .

```

/* Enter your code here. Read input from
Scanner scn = new Scanner(System.in);
int x = scn.nextInt(); 20 70
int y = scn.nextInt(); 50 30
int z = scn.nextInt(); 30 90

int sum = x + y + z; 100 < 150 → true
System.out.println(sum < 150); 190 < 150 → false

```

Xyzw

[Problem](#)
[Submissions](#)
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You will be given four integer inputs x, y, z, w . Print true if $x * y$ is equal to $z * w$ and false otherwise.

Input Format

For each test-case In the first you will get x as integer input. In the second you will get y as integer input. In the third you will get z as integer input. In the fourth you will get w as integer input.

Sample Input 0

5 → x
8 → y
10 → z
4 → w

$x * y == z * w;$
 $5 * 8 == 10 * 4;$
 $40 == 40$ → true

$x == -3$
 $y == -7$
 $z == 21$
 $w == 1$

$-3 * -7 == 21 * 1$
→ true

Sample Output 0

$w \rightarrow w$

Sample Output 0

true ✓

$$40 == 40 \quad \text{---} \quad w \rightarrow 1$$

$$-3 * -7 == 21 \times 1$$

$$21 == 21 \rightarrow \text{true}$$

Even or not

Problem Submissions Leaderboard Discussions

→ even → 2 4 6 8 10
odd → 1, 3, 5, 7, 9

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

Input Format

For each test case, you will be given an integer input.

$$(number \% 2 == 0)$$

$$\begin{array}{r} 17 \\ 2 \overline{) 34} \\ 2 \downarrow \\ 14 \\ 14 \overline{) 0} \\ \hline \end{array}$$

even no.
0 as remainder

$$\begin{array}{r} 09 \\ 2 \overline{) 19} \\ 0 \downarrow \\ 19 \\ 18 \\ \hline 1 \end{array}$$

comparison operator
number \% 2 $\boxed{1 = 0}$
odd number

```
public static void main(String[] args) {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should be named Solution. */
    Scanner scn = new Scanner(System.in);
    int num = scn.nextInt();
    System.out.println(num % 2 == 0);
}
```