

Introducción a la programación

Java Input - Using Java Scanner



Java Scanner



- A Java Scanner is the fastest, easiest way to get input from a user in Java.
- A class providing a number of methods to read data from the screen (or file).
- The input is considered to be a set of tokens, each one delimited by whitespaces.

```
> Hello world, this is my first Java program
```

TOKEN



Java Scanner



- `nextLine()`: advances to the next line and returns the content skipped (a line of text)
- `next`: reads the following token from the input and returns it as a String

```
System.out.println("What is your name: ");
Scanner scanner = new Scanner(System.in);
String name = scanner.nextLine();
// User enters Juan Manuel
System.out.println("Hello " + name);
// Program output: Hello Juan Manuel
```

```
System.out.println("What is your name: ");
Scanner scanner = new Scanner(System.in);
String name = scanner.next();
// User enters Juan Manuel
System.out.println("Hello " + name);
// Program output: Hello Juan
```



Java Scanner



- `nextInt()`: reads from the input the next token and returns it as an integer

```
System.out.println("How old are you?: ");
Scanner scanner = new Scanner(System.in);
int age = scanner.nextInt();
// User enters 28
System.out.println("You are " + age);
// Program output: You are 28
```



Java Scanner



- nextFloat(): reads from the input the next token and returns it as a Float

```
System.out.println("How tall are you?: ");
Scanner scanner = new Scanner(System.in);
float height = scanner.nextFloat();
// User enters 1.82
System.out.println("You are " + height + " tall");
// Program output: You are 1.82 tall
```



Java Scanner



- `nextBoolean()`: reads from the input the next token and returns it as a Boolean

```
System.out.println("Are you married?: ");
Scanner scanner = new Scanner(System.in);
Boolean married = scanner.nextBoolean();
// User enters true
System.out.println("Married: " + married);
// Program output: Married: true
```

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Profesores:

Juan M.Vara
juanmanuel.vara@urjc.es

David Granada
david.granada@urjc.es