



Java User Input (Scanner)

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Java User Input

The `Scanner` class is used to get user input, and it is found in the `java.util` package.

To use the `Scanner` class, create an object of the class and use any of the available methods found in the `Scanner` class documentation. In our example, we will use the `nextLine()` method, which is used to read Strings:

Example

```
import java.util.Scanner; // Import the Scanner class

class Main {
    public static void main(String[] args) {
        Scanner myObj = new Scanner(System.in); // Create a Scanner object
        System.out.println("Enter username");

        String userName = myObj.nextLine(); // Read user input
        System.out.println("Username is: " + userName); // Output user input
    }
}
```

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If you don't know what a package is, read our [Java Packages Tutorial](#).

Input Types

In the example above, we used the `nextLine()` method, which is used to read Strings. To read other types, look at the table below:

Method	Description
<code>nextBoolean()</code>	Reads a <code>boolean</code> value from the user
<code>nextByte()</code>	Reads a <code>byte</code> value from the user
<code>nextDouble()</code>	Reads a <code>double</code> value from the user
<code>nextFloat()</code>	Reads a <code>float</code> value from the user
<code>nextInt()</code>	Reads a <code>int</code> value from the user
<code>nextLine()</code>	Reads a <code>String</code> value from the user
<code>nextLong()</code>	Reads a <code>long</code> value from the user
<code>nextShort()</code>	Reads a <code>short</code> value from the user

In the example below, we use different methods to read data of various types:

Example

```
import java.util.Scanner;

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

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

System.out.println("Enter name, age and salary:");

// String input
String name = myObj.nextLine();

// Numerical input
int age = myObj.nextInt();
double salary = myObj.nextDouble();

// Output input by user
System.out.println("Name: " + name);
System.out.println("Age: " + age);
System.out.println("Salary: " + salary);
}
}
```

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Note: If you enter wrong input (e.g. text in a numerical input), you will get an exception/error message (like "InputMismatchException").

You can read more about exceptions and how to handle errors in the [Exceptions chapter](#).

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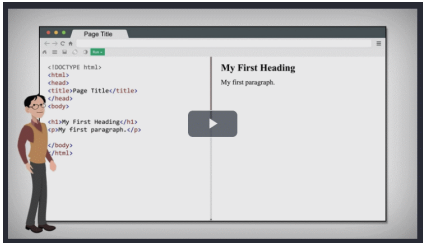
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