

Theory: Command-line arguments

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A Java application can accept data from the external world using the command-line arguments. JVM wraps the argument in the array of strings and passes the array to the main method.

Here is a declaration of the `main` method:

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

The array of strings `args` contains string arguments from the command line.

Let's assume we have the following code in the file `Main.java`.

```
1 public class Main {
2
3     public static void main(String[] args) {
4         System.out.println("passed arguments: " + args.length);
5     }
6 }
```

This code outputs a string containing a number of passed arguments.

Let's compile this code (the result is a bytecode):

```
1 javac Main.java
```

Then run the bytecode without parameters:

```
1 java Main
```

It outputs:

```
1 passed arguments: 0
```

Let's run it with two parameters separated by space:

```
1 java Main arg1 arg2
```

It outputs:

```
1 passed arguments: 2
```

So, in the command-line interface arguments have to be separated by spaces.

📄

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