

Java

Command Line Arguments



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Command Line Arguments in Java

Command-line arguments allow passing values to a Java program when it is executed from the terminal or command prompt.

```
class CommandLineExample {  
    public static void main(String[] args) {  
        for (String arg : args) {  
            System.out.println(arg);  
        }  
    }  
}
```

Execution:

```
java CommandLineExample Hello World 123
```

Output:

```
Hello  
World  
123
```

Example: Sum of Two Numbers from Command Line

```
class SumArguments {  
    public static void main(String[] args) {  
        if (args.length < 2) {  
            System.out.println("Please provide two numbers.");  
            return;  
        }  
        int num1 = Integer.parseInt(args[0]);  
        int num2 = Integer.parseInt(args[1]);  
        System.out.println("Sum: " + (num1 + num2));  
    }  
}
```

Execution:

```
java SumArguments 10 20
```

Output:

```
Sum: 30
```

Example: Check Even or Odd using Command Line

```
class EvenOddCLI {  
    public static void main(String[] args) {  
        if (args.length == 0) {  
            System.out.println("Please provide a number.");  
            return;  
        }  
        int num = Integer.parseInt(args[0]);  
        System.out.println(num % 2 == 0 ? "Even" : "Odd");  
    }  
}
```

Execution:

```
java EvenOddCLI 7
```

Output:

```
Odd
```

Example: Concatenating Strings from Command Line

```
class ConcatenateArgs {  
    public static void main(String[] args) {  
        StringBuilder result = new StringBuilder();  
        for (String arg : args) {  
            result.append(arg).append(" ");  
        }  
        System.out.println("Concatenated String: " + result.toString().trim());  
    }  
}
```

Execution:

```
java ConcatenateArgs Welcome to Java Programming
```

Output:

Concatenated String: Welcome to Java Programming