

# How to execute a system command from JAVA

## (Ubuntu 18.04)

### Step 1: create a string of that command

```
String command="ls"
```

### Step 2: call the method exec with that string as a parameter

```
Process p = Runtime.getRuntime().exec(command);
```

### Step 3: Recuperate the output from the process p

```
BufferedReader output = new BufferedReader(new InputStreamReader(p.getInputStream()));
```

### Step 4: Print the output using the readLine method

```
String line;

System.out.println("The output of the command:\n");

while (( line= output.readLine() ) != null) {

    System.out.println(line);

}
```

### Step 5: See the results

In geany : F8 then F5

## The entire code

```
// to use the class IOException
import java.io.*;

public class RunSysCom {
    public static void main(String args[]) {
        String command="ls";
        try {

            //excute the command
            Process p = Runtime.getRuntime().exec(command);

            //recup the output
            BufferedReader output = new BufferedReader(new
                InputStreamReader(p.getInputStream()));

            // print the output
            String line;
            System.out.println("The output of the command:\n");
            while (( line= output.readLine() ) != null) {
                System.out.println(line);
            }
            System.exit(0);
        }
        catch (IOException e) {
            System.out.println("exception occured ");
            e.printStackTrace();
            System.exit(-1);
        }
    }
}
```

## Useful links

<https://alvinalexander.com/java/edu/pj/pj010016>