

Running a first LeJOS program from the command line

1. Log onto a computer using your usual computer science login.
2. Write the following LeJOS program in your favorite text editor (not Word) and save as HelloWorld.java.

```
import lejos.nxt.Button;

public class HelloWorld {
    public static void main (String[] args) {
        System.out.println("Hello World");
        Button.waitForAnyPress();
    }
}
```

3. In the same directory that you created HelloWorld.java, run:

```
nxjc HelloWorld.java
```

at the command line.

As with all Java compilers, this will create a file HelloWorld.class. However the virtual machine on the NXT doesn't directly execute .class files. So, you have to:

4. In the same directory as HelloWorld.class, run:

```
nxjlink -o HelloWorld.nxj HelloWorld
```

to combine HelloWorld.class and all the things it depends upon into HelloWorld.nxj.

5. Now you can load the program onto the robot. Connect the robot to the computer and run:

```
nxjupload HelloWorld.nxj
```

The robot should make its "happy upload" noise, and you will be able to run the program from the GUI on the NXT brick.

You can also use the -r parameter:

```
nxjupload -r HelloWorld.nxj
```

to run the program as soon as it is uploaded.