

## How to use the Sun Java Development Kit for eSOM/2586 Java Programming

The embedded system-on-module eSOM/2586 MAX-Linux (Maximum Linux) comes with a pre-installed Java 6 run-time environment (Sun J2SE). This allows you to run platform-independent Java class files on the eSOM/2586.

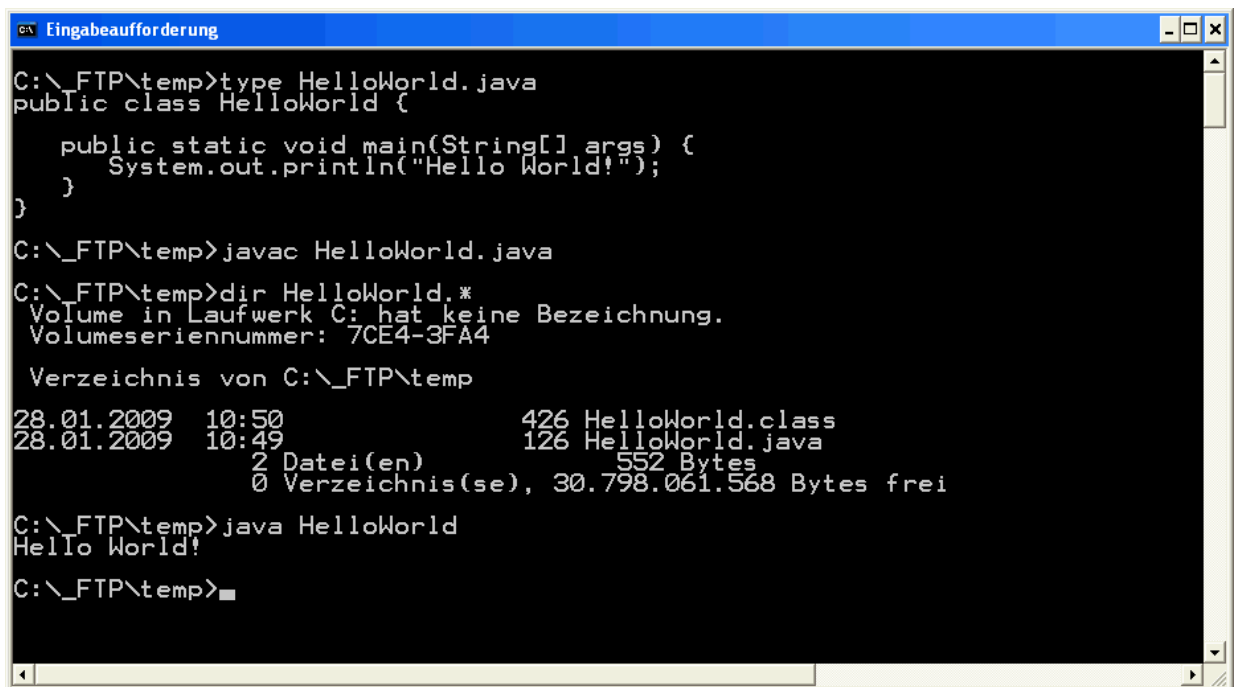
Before following the next steps make sure, that the original Sun Java Development Kit (JDK) for Java 6 is installed on your development PC.

- **1. Step:** Run an simple text editor or a special programmer editor on your development PC and enter the following text lines:

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

Store the sample lines within a file with the name **HelloWorld.java**. Then run your Java 6 compiler and generate a class file with the name **HelloWorld.class**. The command line for this task is:

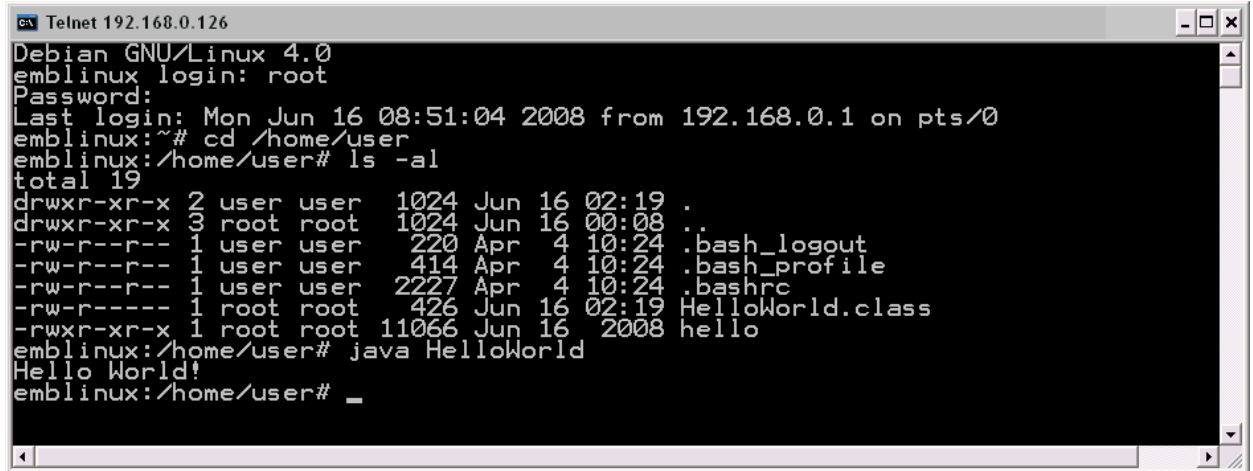
```
javac HelloWorld.java
```



```
csx Eingabeaufforderung  
C:\_FTP\temp>type HelloWorld.java  
public class HelloWorld {  
    public static void main(String[] args) {  
        System.out.println("Hello World!");  
    }  
}  
C:\_FTP\temp>javac HelloWorld.java  
C:\_FTP\temp>dir HelloWorld.*  
Volume in Laufwerk C: hat keine Bezeichnung.  
Volumeseriennummer: 7CE4-3FA4  
  
Verzeichnis von C:\_FTP\temp  
28.01.2009  10:50                426 HelloWorld.class  
28.01.2009  10:49                126 HelloWorld.java  
                2 Datei(en)                552 Bytes  
                0 Verzeichnis(se), 30.798.061.568 Bytes frei  
  
C:\_FTP\temp>java HelloWorld  
Hello World!  
C:\_FTP\temp>
```

- **2. Step:** Transfer the class file **HelloWorld.class** with the help of FTP or TFTP to the embedded system-on-module eSOM/2586. Then execute the class file with the following command line:

## java HelloWorld



```
ex Telnet 192.168.0.126
Debian GNU/Linux 4.0
emblinux login: root
Password:
Last login: Mon Jun 16 08:51:04 2008 from 192.168.0.1 on pts/0
emblinux:~# cd /home/user
emblinux:/home/user# ls -al
total 19
drwxr-xr-x  2 user user  1024 Jun 16 02:19 .
drwxr-xr-x  3 root root  1024 Jun 16 00:08 ..
-rw-r--r--  1 user user   220 Apr  4 10:24 .bash_logout
-rw-r--r--  1 user user   414 Apr  4 10:24 .bash_profile
-rw-r--r--  1 user user  2227 Apr  4 10:24 .bashrc
-rw-r-----  1 root root   426 Jun 16 02:19 HelloWorld.class
-rwxr-xr-x  1 root root 11066 Jun 16 2008 hello
emblinux:/home/user# java HelloWorld
Hello World!
emblinux:/home/user# _
```

That is all.