

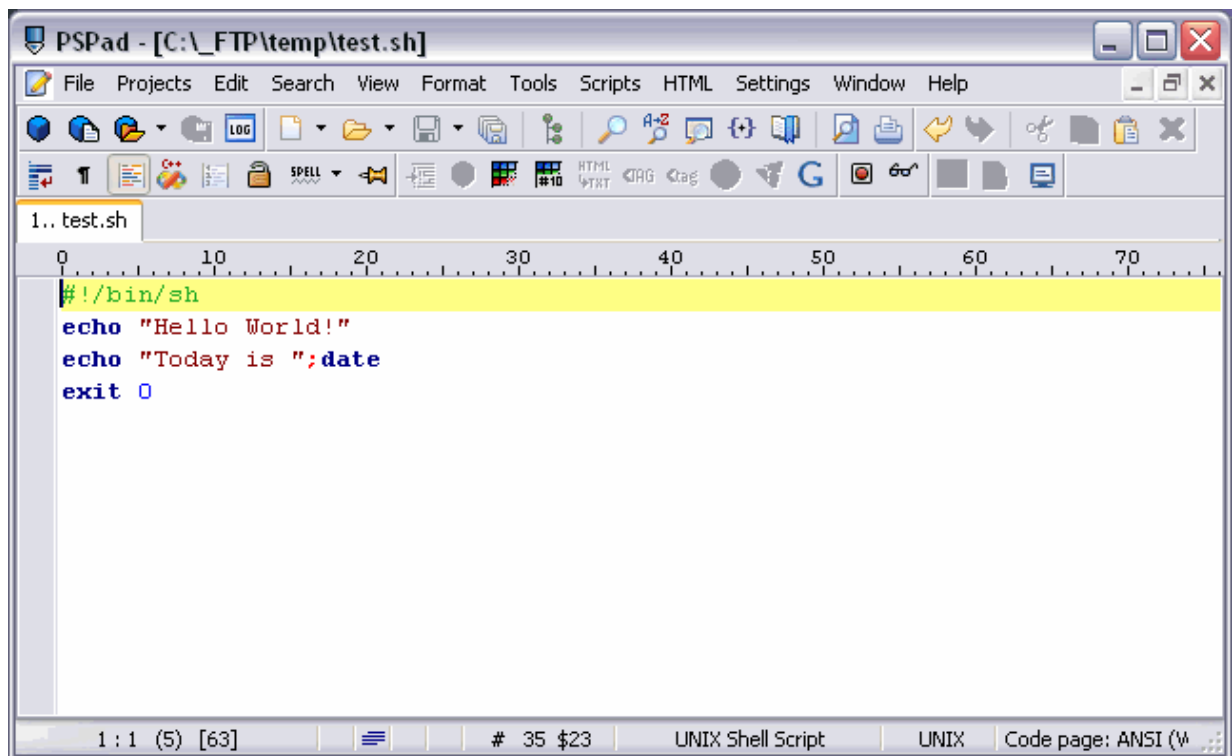
How to use Linux Shell Scripts for eSOM/2586 Programming

The pre-installed Linux operating system of your embedded system-on-module eSOM/2586 supports Linux shell script programming. This allows you to edit a standard Linux shell script file on your development system, download this file to the eSOM/2586 and execute the script within the eSOM/2586 Linux environment.

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

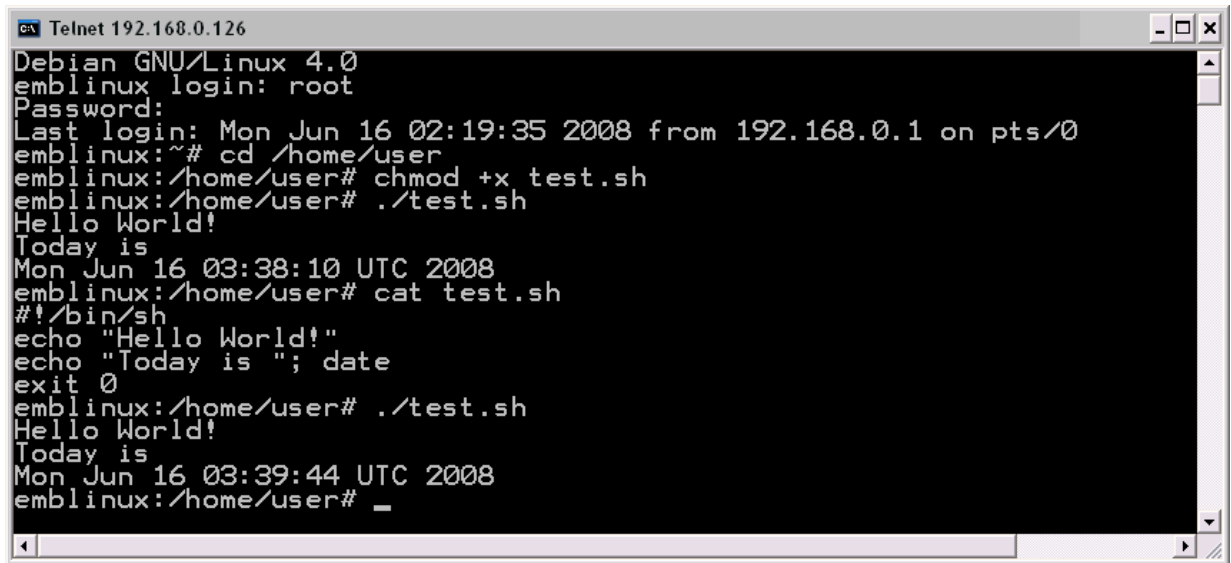
```
#!/bin/sh
echo "Hello World!"
echo "Today is ";date
exit 0
```

Store the sample lines within a file with the name *test.sh*. On a Windows-based development PC make sure that the file *test.sh* is using the Linux EOL format (EOL = End-Of-Line. The Linux EOL format is: LF only). Programmer's editors like *PSPad* support different EOL formats.



- **2. Step:** Transfer the file *test.sh* with the help of FTP or TFTP to the embedded system-on-module eSOM/2586 and run the shell script within the eSOM/2586 Linux. Don't forget the

```
chmod +x test.sh
```



```
Telnet 192.168.0.126
Debian GNU/Linux 4.0
emblinux login: root
Password:
Last login: Mon Jun 16 02:19:35 2008 from 192.168.0.1 on pts/0
emblinux:~# cd /home/user
emblinux:/home/user# chmod +x test.sh
emblinux:/home/user# ./test.sh
Hello World!
Today is
Mon Jun 16 03:38:10 UTC 2008
emblinux:/home/user# cat test.sh
#!/bin/sh
echo "Hello World!"
echo "Today is "; date
exit 0
emblinux:/home/user# ./test.sh
Hello World!
Today is
Mon Jun 16 03:39:44 UTC 2008
emblinux:/home/user# _
```

That is all.