School of
Science
ECU
AUSTRALIA
EDITH COWAN
UNIVERSITY

Scripting Languages: Workshop 7 Challenge

The *dos2unix* command is a handly little utility for turning a DOS based file into a UNIX file. However, as I wanted it to do more, I wrote my own version that will:

1. Scan all **.txt** files in the current working directory and display a list of all found either labelled as **DOS** or **UNIX**

2. Accommodate a optional **-c** option (flag), that when used, converts all found DOS *.txt* files to a Unix format

See the screenshots below for outputs of this script.

```
$ ./detectdos.sh
file1.txt       DOS file
file2.txt       DOS file
file3.txt       Unix file
file4.txt       Unix file
file5.txt       Unix file
file6.txt       DOS file
```

```
$ ./detectdos.sh -c
The file file1.txt has been converted to UNIX
The file file2.txt has been converted to UNIX
The file file6.txt has been converted to UNIX
```

```
$ ./detectdos.sh
file1.txt       Unix file
file2.txt       Unix file
file3.txt       Unix file
file4.txt       Unix file
file5.txt       Unix file
file6.txt       Unix file
```

Now see if you can write your own version of *detectdos.sh* so that it achieves the same outcomes as mine. You'll find a mix of DOS and UNIX test files in **testfiles.zip**

HINT: The **cat** command has an option that makes it easy to identify if a file contains DOS EOL characters. Use `man cat` to find out what this option is so you can use it in your script.