

# Lab 2 - Write a Simple Shell – Group 12

## Testing

When testing the internal commands *exit*, *pwd*, *ls*, and *cd*, and all external commands the output of the program matches that of the default shell. The first function tested was the `splitCommandLine()` function. As seen in the `testSplitCommand.txt` file it is evident that the function performed as expected, correctly interpreting the number of arguments entered and placing them correctly in the arguments array. This function worked correctly given inputs that had multiple spaces before and between arguments.

The internal commands `pwd`, `ls`, `cd`, and `exit` all worked as expected when tested in the terminal environment. The `testInternalCommands.txt` file contains the inputs and outputs that correspond to the usage of each command.

Testing was done to ensure that if an incorrect command that did not match a predefined was entered, an error message would be printed. Given the inputs seen in `testDNECommand.txt` it was evident the program accepted correct commands and printed error messages for those that were incorrect.

Further testing was done to ensure all of the external commands functioned correctly when entered as input in the terminal. In the file `testExternalCommands.txt`, the commands `ps`, `ps a`, `ps aux`, `more`, `man`, `apropos`, `gcc`, and `make` all worked as defined.