

A Basic Test Suite for a TCSH-like Shell
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Andy Wang **Alejandro Cabrera**

For best results, execute in the order provided:

- **General Command Execution:**
 - /* carriage return */
 - ls
 - ls -al
 - ls -al test1
 - cd
 - chdir
 - exit
 - /bin/ls
 - foo
 - <name of your shell>
 - ls test1
 - ls
 - ls test1
- **Background Processing:**
 - &
 - emacs&
 - emacs &
 - & emacs
 - emacs & /* start a background process */
 - emacs /* start a foreground process */
 - /* now, terminate the background emacs, and the command prompt should stay frozen */
- **Input/Output Redirection and Piping**
 - <
 - >
 - |
 - cat <
 - cat >
 - cat |
 - cat < test1
 - cat < test1 test2 test3
 - cat test1 < test2 test3
 - cat > test4
 - cat > test4 test5
 - cat<test1
 - cat>test4 test5
 - ls | cat
 - ls|cat
 - ls -al | cat
 - ls -al | grep e
 - grep 1 test1 | grep 1
 - foo | ls
 - ls | foo

- **Change Directory:**
 - cd
 - cd ..
 - cd ~/
 - cd ./
 - cd .
 - cd ../
 - cd ../../../../../../../../../../../../../../
 - cd test1.txt
 - cd non_existent
 - cd [a folder]
 - cd ../
 - cd [a folder]/[a folder' in folder]
 - cd
 - cd [a folder] [a folder']

Remember, this test case suite is not exhaustive. Think of additional test cases that may be required to be tested to ensure the project specification is met.