**Report**

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| Command | Description | Status |
| ls -l | Show the list of src file in cmake-build-debug | passed |
| ./dc\_shell | Run dc\_shell | passed |
| <newline> | Empty cmd just goes back to read another cmd | passed |
| pwd | Print working directory | passed |
| cd .. | Go back a directory | passed |
| cd ~ | Go to the home directory | passed |
| cd / | Go to the root directory | passed |
| cd | Go toe the home directory | passed |
| mkdir –p foo/bar | Make a directory | passed |
| cd foo/bar | Go to the new directory | passed |
| ls -a -l | List all of the files | passed |
| ls -al > a.txt | List all of the files to a file | passed |
| cat a.txt | Print the file | passed |
| cat < a.txt | Print stdin via redirect | passed |
| cat < a.txt > b.txt | Print stdin and write it to a file | passed |
| cat b.txt | Print the file | passed |
| cat < a.txt >> b.txt | Print stdin and append it to a file | passed |
| ls -al | List all of the files | passed |
| cat b.txt | Print the file | passed |
| cd b.txt | Go to the b.txt directory | passed |
| rm -rf foo | Remove foo directory recursively | passed |
| cd foo | Go to foo directory | passed |
| ls foo 2>err.txt | List files in foo to a file | passed |
| cat err.txt | Print the file | passed |
| ls > ~/out.txt | List files to a file | passed |
| cat out.txt | Print the file | passed |
| ./a.out | Run the file | passed |
| gcc hello.c | Compile the file | passed |
| ./a.out | Run the file | passed |
| adasdasda | Random typing | passed |
| exit | Exit the program | passed |
| ;s | Parse | failed |





