Assignment 3 Client
User Guide

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Purpose

Assignmnt 3 client's purpose is to:
- to send a command to a server application and read the output of that command from the server.

Installing

Running

```
chmod u+x generate-makefile.sh
CC=gcc (or) setenv CC gcc
Run ./generate-makefile.sh
Run: ./server -fifo <path>
(In between the "" should be your command)
```

Features

- dc_shell only supports executing simple commands no pipes or >
- After a command completes, the exit status is displayed.

Limitations

- Only known to work in linux so far

The following command types are not supported:
- Pipelines (|)
- Lists (;, &, &,&, ||)
- Compound (if, case, until, while, for, ())
- Functions

Examples

Running the program

ls -l

```
[wilsonsue@node-1w7jr9pk8crrt5guphqnbq054 Assignment
3]$ ./server -fifo /tmp/myfifo
[wilsonsue@node-1w7jr9pk8crrt5guphqnbq054 Assignment
3]$ ./server -fifo /tmp/myfifo
[wilsonsue@node-1w7jr9pk8crrt5guphqnbq054 Assignment
3]$
```

```
[wilsonsue@node-1w7jr9pk8crrt5guphqnbq054 Assignmen
t3]$ ./client -fifo /tmp/myfifo "git -v"
git version 2.41.0
[wilsonsue@node-1w7jr9pk8crrt5guphqnbq054 Assignmen
t3]$ ./client -fifo /tmp/myfifo "ls -l"
total 200
drwxr-xr-x. 1 wilsonsue wilsonsue   110 Oct 18 02:3
2 build
-rwxr-xr-x. 1 wilsonsue wilsonsue    55 Oct 18 01:5
1 build.sh
-rwxr-xr-x. 1 wilsonsue wilsonsue  1345 Oct 18 01:5
1 change-compiler.sh
-rwxr-xr-x. 1 wilsonsue wilsonsue 17128 Oct 18 07:4
8 client
-rw-r--r--. 1 wilsonsue wilsonsue  1455 Oct 18 07:4
8 client.c
-rwxr-xr-x. 1 wilsonsue wilsonsue 17128 Oct 18 07:4
8 client-traceable
drwxr-xr-x. 1 wilsonsue wilsonsue   176 Oct 18 02:4
4 cmake-build-debug
-rw-r--r--. 1 wilsonsue wilsonsue  4700 Oct 18 02:4
4 CMakeLists.txt
-rw-r--r--. 1 wilsonsue wilsonsue    18 Oct 18 02:4
3 files.txt
drwxr-xr-x. 1 wilsonsue wilsonsue    32 Oct 18 02:3
2 flags
-rwxr-xr-x. 1 wilsonsue wilsonsue  9739 Oct 18 01:5
1 generate-cmakelists.sh
-rwxr-xr-x. 1 wilsonsue wilsonsue 27116 Oct 18 01:5
1 generate-flags.sh
-rwxr--r--. 1 wilsonsue wilsonsue 32760 Oct 17 03:1
3 generate-makefile.sh
-rw-r--r--. 1 wilsonsue wilsonsue 11357 Oct 11 02:2
9 LICENSE
-rw-r--r--. 1 wilsonsue wilsonsue   892 Oct 18 02:3
8 Makefile
-rw-r--r--. 1 wilsonsue wilsonsue    12 Oct 11 02:2
9 README.md
-rwxr-xr-x. 1 wilsonsue wilsonsue 17832 Oct 18 07:4
8 server
-rw-r--r--. 1 wilsonsue wilsonsue  3822 Oct 18 07:4
5 server.c
-rwxr-xr-x. 1 wilsonsue wilsonsue 17832 Oct 18 07:4
8 server-traceable
[wilsonsue@node-1w7jr9pk8crrt5guphqnbq054 Assignmen
t3]$
```

```
[0] 0:bash*                                    "node-1w7jr9pk8crrt5gu" 08:48 18-Oct-23
```