

The screenshot shows a terminal session in VS Code. The user has opened a Makefile named 'Makefile' in a directory structure under 'cs470 > Lab3'. The terminal output shows the execution of the 'myshell' command, followed by several commands entered at the 'myshell>' prompt, including 'echo a b', 'touch "my file.txt"', and 'ls'. The session ends with the user typing 'exit' and the message 'Goodbye!'. The status bar at the bottom indicates the current file is 'Makefile'.

```
cs470 > Lab3 > Makefile
1 CC = gcc
2 CFLAGS = -Wall -Wextra -std=c11
3
4 all: myshell
5
6 myshell: myshell.c
7     $(CC) $(CFLAGS) myshell.c -o myshell
8
9 clean:
10    rm -f myshell

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
diego@codebind:~/cs470/Lab3$ ./myshell
myshell> echo a b
a b
myshell> echo "hello world"
hello world
myshell> touch "my file.txt"
myshell> ls
Makefile 'my file.txt' myshell myshell.c
myshell> exit
Goodbye!
diego@codebind:~/cs470/Lab3$
```

Ubuntu 24.04.3 LTS

Feb 19 08:17

File Edit Selection ... ← → ⌂ diego

EXPLORER

DIEGO

- > .cache
- > .config
- > .gnupg
- > .local
- > .pki
- > .ssh
- > .vscode
- cs470
  - > des470
  - > Lab2
  - Lab3
    - log.txt
- myshell.c
- out.txt
- source470
- hello.sh
- Quiz4
- Quiz4.c
- des470
- Desktop
- Documents
- Downloads
- Music
- OS-Lab1
- Pictures
- Public
- snap /firefox
  - > 7715

- OUTLINE
- TIMELINE

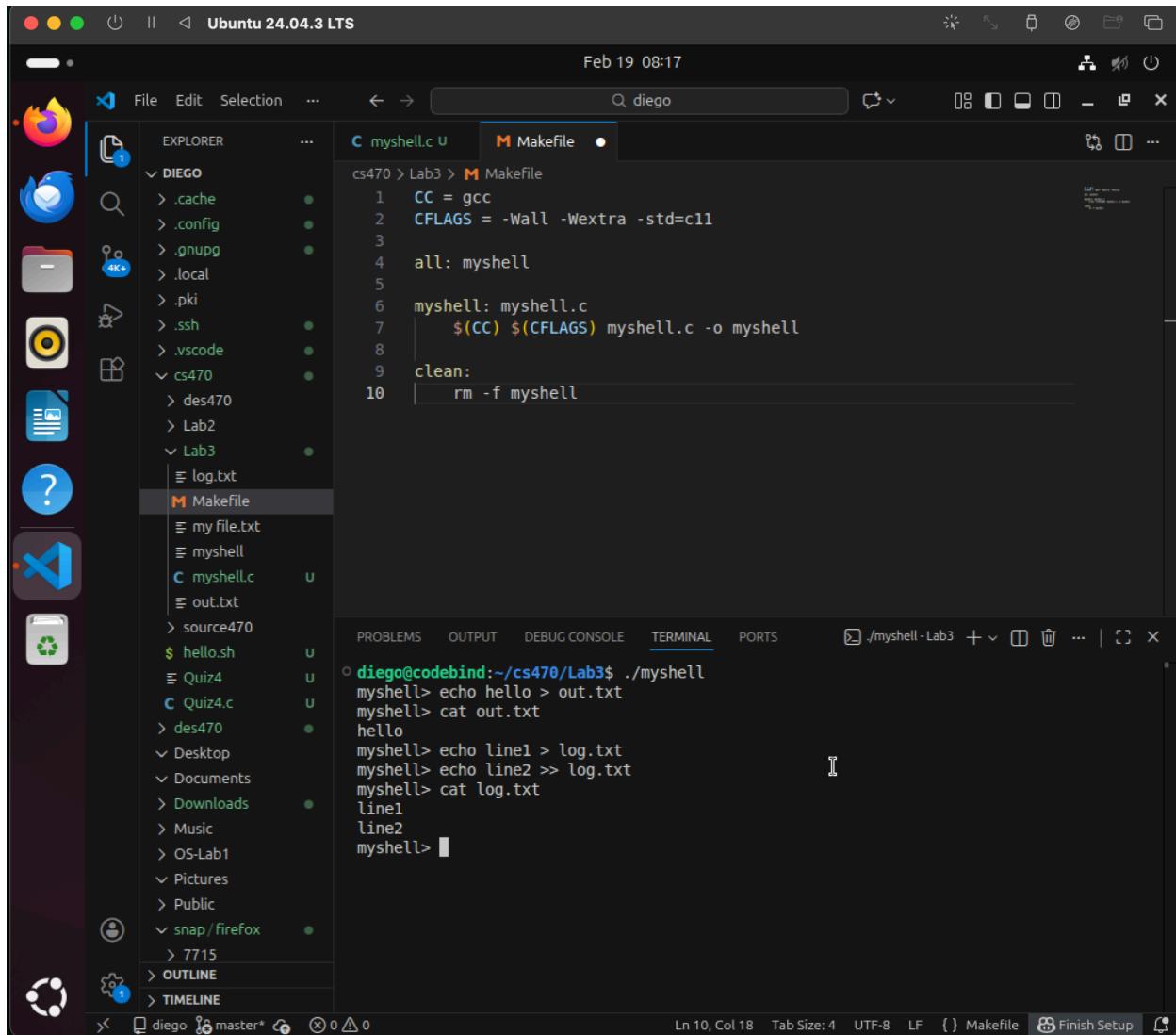
myshell.c M Makefile

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10    rm -f myshell
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

diego@codebind:~/cs470/Lab3\$ ./myshell
myshell> echo hello > out.txt
myshell> cat out.txt
hello
myshell> echo line1 > log.txt
myshell> echo line2 >> log.txt
myshell> cat log.txt
line1
line2
myshell>

Ln 10, Col 18 Tab Size: 4 UTF-8 LF { } Makefile Finish Setup



The screenshot shows a terminal window in VS Code running on Ubuntu 24.04.3 LTS. The terminal is titled "diego" and the date and time are "Feb 19 08:18". The terminal content includes a Makefile and a shell session:

```
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3
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5
6 myshell: myshell.c
7     $(CC) $(CFLAGS) myshell.c -o myshell
8
9 clean:
10    rm -f myshell
```

```
myshell> ./myshell
myshell> wc -l < log.txt
2
myshell> cat < tempfile.txt
input redirect: tempfile.txt: No such file or directory
myshell> cd /tmp
myshell> pwd
/tmp
myshell> cd /doesnotexist
cd: /doesnotexist: No such file or directory
myshell> fakecmd
fakecmd: command not found
myshell> exit

Goodbye!
myshell>
```

The status bar at the bottom shows "Ln 10, Col 18 Tab Size: 4 UTF-8 LF { } Makefile".