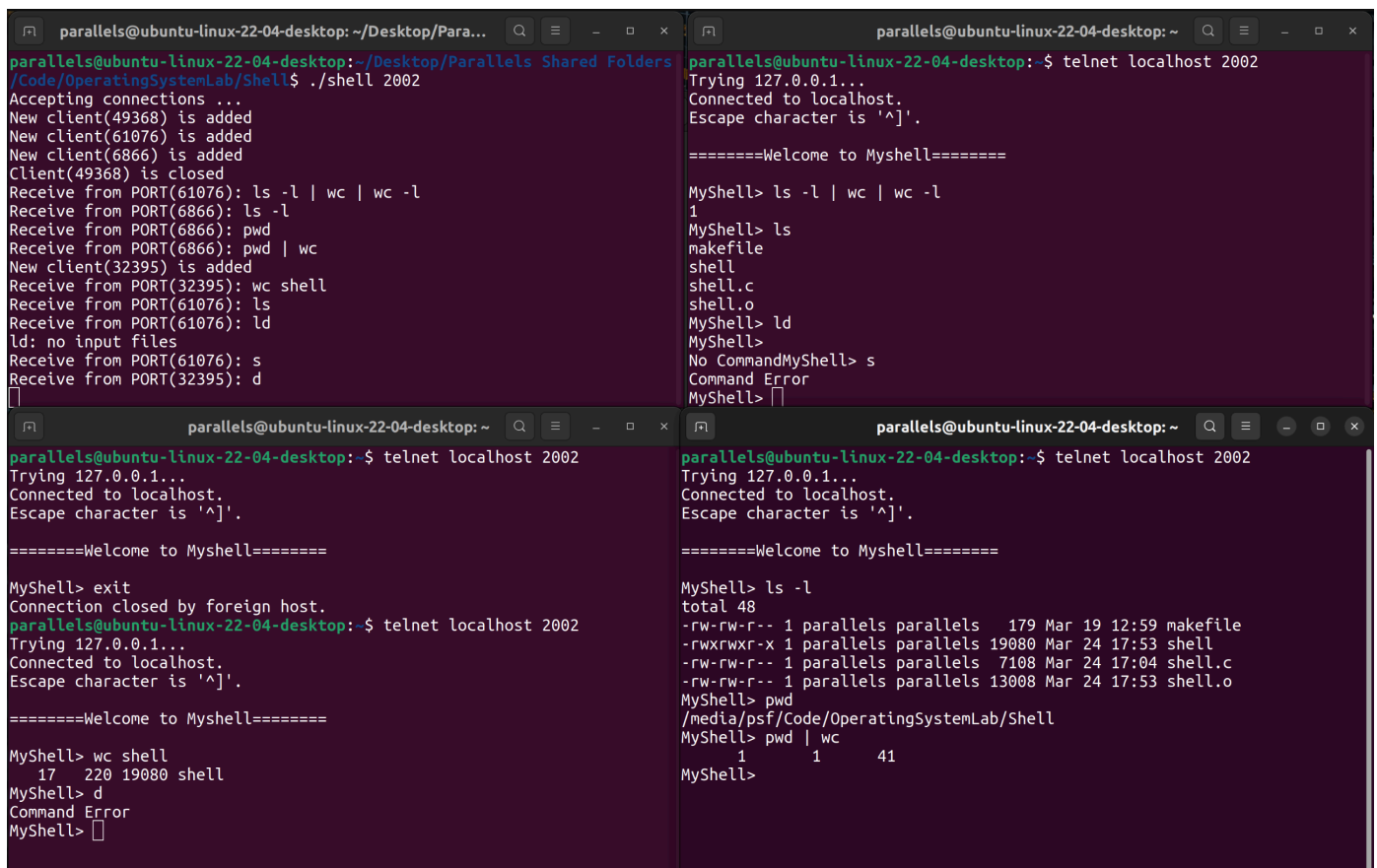


Project1 test

Task1: Copy

```
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Copy$ make
make: 'Copy' is up to date.
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Copy$ ./Copy test_in.txt test_out.txt 25
Read file end.
Write file end.
Time used: 2.286000 millisecond.
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Copy$ ./Copy test_in.txt test_out.txt 12
Read file end.
Write file end.
Time used: 5.676000 millisecond.
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Copy$
```

Task2: Shell



```
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Shell$ ./shell 2002
Accepting connections ...
New client(49368) is added
New client(61076) is added
New client(6866) is added
Client(49368) is closed
Receive from PORT(61076): ls -l | wc | wc -l
Receive from PORT(6866): ls -l
Receive from PORT(6866): pwd
Receive from PORT(6866): pwd | wc
New client(32395) is added
Receive from PORT(32395): wc shell
Receive from PORT(61076): ls
Receive from PORT(61076): ld
ld: no input files
Receive from PORT(61076): s
Receive from PORT(32395): d
[]

parallels@ubuntu-linux-22-04-desktop:~$ telnet localhost 2002
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.

=====Welcome to Myshell=====

MyShell> ls -l | wc | wc -l
1
MyShell> ls
makefile
shell
shell.c
shell.o
MyShell> ld
MyShell>
No CommandMyShell> s
Command Error
MyShell> []

parallels@ubuntu-linux-22-04-desktop:~$ telnet localhost 2002
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.

=====Welcome to Myshell=====

MyShell> exit
Connection closed by foreign host.
parallels@ubuntu-linux-22-04-desktop:~$ telnet localhost 2002
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.

=====Welcome to Myshell=====

MyShell> wc shell
 17  220 19080 shell
MyShell> d
Command Error
MyShell> []

parallels@ubuntu-linux-22-04-desktop:~$ telnet localhost 2002
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.

=====Welcome to Myshell=====

MyShell> ls -l
total 48
-rw-rw-r-- 1 parallels parallels 179 Mar 19 12:59 makefile
-rwxrwxr-x 1 parallels parallels 19080 Mar 24 17:53 shell
-rw-rw-r-- 1 parallels parallels 7108 Mar 24 17:04 shell.c
-rw-rw-r-- 1 parallels parallels 13008 Mar 24 17:53 shell.o
MyShell> pwd
/media/psf/Code/OperatingSystemLab/Shell
MyShell> pwd | wc
      1      1     41
MyShell>
```

Task3: Matrix

```
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Matrix$ make
make: Nothing to be done for 'all'.
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Matrix$ ./single
Time used: 16.567000 millisecond.
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Matrix$ ./multi 64
Time used: 10.138000 millisecond.
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Matrix$ ./multi 64 128
Time used: 10.821000 millisecond.
parallels@ubuntu-linux-22-04-desktop:~/Desktop/Parallels Shared Folders/Code/OperatingSystemLab/Matrix$
```