Sample Outputs

Part 1

```
osh>ps -al
F S
    UID
             PID
                    PPID C PRI NI ADDR SZ WCHAN TTY
                                                             TIME CMD
4 S 1000
                    1723 2 80 0 - 318502 ep_pol tty2
            1725
                                                         01:05:28 Xorg
0 S 1000
                   1723 0 80 0 - 49230 poll_s tty2
           1746
                                                         00:00:00 gnome-sess
                               0 - 625 do_wai pts/1
0 S 1000
                   72375 0 80
                                                         00:00:00 shell
           72388
4 R 1000
                   72388 0 80 0 - 5013 -
           76588
                                                 pts/1
                                                         00:00:00 ps
osh>ls
random_txt shell
osh>touch hello_world
losh>ls
hello_world_random_txt_shell
osh>echo "how are you?"
"how are you?"
osh>rm hello world
osh>ls
random_txt shell
```

Part 2

```
osh>!!
No commands in history
osh>ls
part1.png random_txt shell
osh>!!
ls
part1.png random_txt shell
osh>echo "hello world"
"hello world"
osh>!!
echo "hello world"
"hello world"
```

Part 3

```
osh>touch myFile
osh>echo "hello world" > myFile
osh>cat myFile
"hello world"
osh>
```

Part 4

```
osh>ABC=hello
osh>DEF=hello_world
osh>touch $ABC
osh>echo $DEF > hello
osh>cat $ABC
hello_world
osh>
```

Part 5

```
osh>cat simple-shell.c | head -5
/**

* Simple shell interface program.

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* Operating System Concepts - Tenth Edition

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osh>
```