

Test case1:

Command: echo hi; echo good evening

Comments: Two commands separated by sequence operator



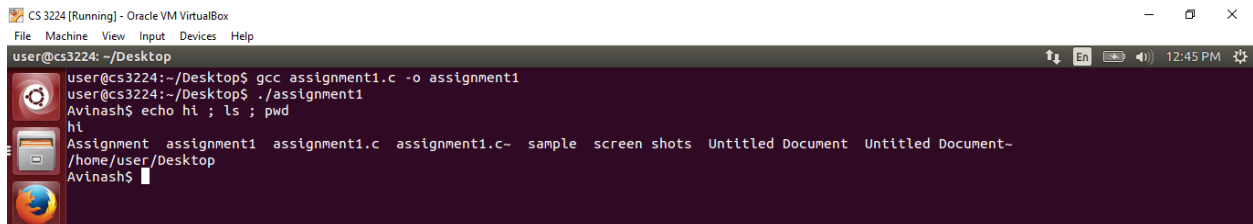
The screenshot shows a terminal window titled 'user@cs3224: ~/Desktop'. The prompt is 'Avinash\$'. The command 'echo hi; echo good evening' has been entered and executed. The output is 'hi' followed by 'good evening' on the next line. The terminal window has a menu bar with 'File', 'Machine', 'View', 'Input', 'Devices', and 'Help'. The status bar at the bottom shows '12:40 PM'.

```
user@cs3224: ~/Desktop
Avinash$ echo hi ; echo good evening
hi
good evening
Avinash$
```

Test case2:

Command: echo hi; ls; pwd

Comments: Three commands separated by sequence operator



The screenshot shows a terminal window titled 'user@cs3224: ~/Desktop'. The prompt is 'user@cs3224:~/Desktop\$'. The command 'gcc assignment1.c -o assignment1' has been entered and executed. The prompt is now 'Avinash\$'. The command 'echo hi; ls; pwd' has been entered and executed. The output is 'hi' followed by 'Assignment assignment1 assignment1.c assignment1.c~ sample screen shots Untitled Document Untitled Document-' on the next line, and '/home/user/Desktop' on the third line. The terminal window has a menu bar with 'File', 'Machine', 'View', 'Input', 'Devices', and 'Help'. The status bar at the bottom shows '12:45 PM'.

```
user@cs3224:~/Desktop$ gcc assignment1.c -o assignment1
user@cs3224:~/Desktop$ ./assignment1
Avinash$ echo hi ; ls ; pwd
hi
Assignment assignment1 assignment1.c assignment1.c~ sample screen shots Untitled Document Untitled Document-
/home/user/Desktop
Avinash$
```

Test case3:

Command: echo hi & pwd

Comments: Two commands separated by parallel operator.



The screenshot shows a terminal window titled 'user@cs3224: ~/Desktop'. The prompt is 'Avinash\$'. The command 'echo hi & pwd' has been entered and executed. The output is 'hi' followed by '/home/user/Desktop' on the next line. The terminal window has a menu bar with 'File', 'Machine', 'View', 'Input', 'Devices', and 'Help'. The status bar at the bottom shows '12:56 PM'.

```
user@cs3224: ~/Desktop
Avinash$ echo hi & pwd
hi
/home/user/Desktop
Avinash$
```

Test case4:

Command: `echo hi & pwd; echo hello`

Comments: Three commands separated by sequential and parallel operator. (combination of sequential and parallel operator)



The screenshot shows a terminal window titled "user@cs3224: ~/Desktop". The prompt is "Avinash\$". The command entered is "echo hi & pwd ; echo hello". The output is displayed on three lines: "hi", "/home/user/Desktop", and "hello". The prompt "Avinash\$" is shown again on the fourth line.

Test case5:

Command: `echo hi & pwd & echo good evening`

Comments: Three commands separated by parallel operator.



The screenshot shows a terminal window titled "user@cs3224: ~/Desktop". The prompt is "Avinash\$". The command entered is "echo hi & pwd & echo good evening". The output is displayed on three lines: "good evening", "hi", and "Avinash\$". The prompt "Avinash\$" is shown again on the fourth line.

Test case6:

Command: `touch temp.txt; ls -l temp.txt`

Comments: Commands separated by sequential operator.

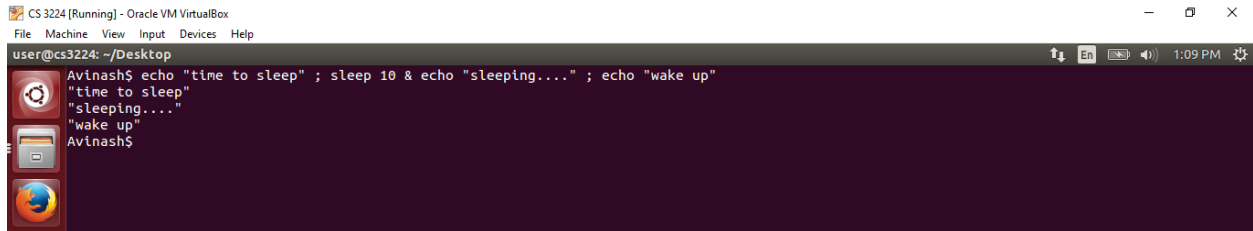


The screenshot shows a terminal window titled "user@cs3224: ~/Desktop". The prompt is "Avinash\$". The command entered is "touch temp.txt; ls -l temp.txt". The output is displayed on two lines: "temp.txt" and "Avinash\$". The prompt "Avinash\$" is shown again on the third line.

Test case7:

Command: `echo "time to sleep"; sleep 10 & echo "sleeping..."; echo "wake up"`

Comments: Multiple commands separated by sequential and parallel operators

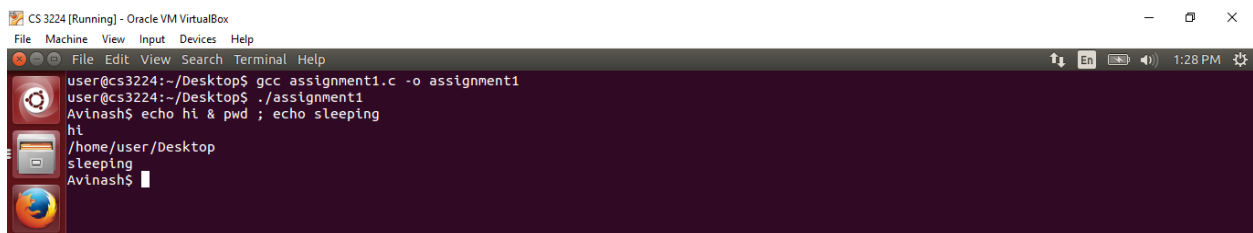


The screenshot shows a terminal window titled "user@cs3224: ~/Desktop". The prompt is "Avinash\$". The command entered is `echo "time to sleep" ; sleep 10 & echo "sleeping...." ; echo "wake up"`. The output is displayed line by line: `"time to sleep"`, `"sleeping...."`, and `"wake up"`. The prompt returns to `Avinash$`.

Test case8:

Command: `echo hi & pwd; echo sleeping`

Comments: Three commands separated by parallel command and sequential command.



The screenshot shows a terminal window titled "user@cs3224: ~/Desktop". The prompt is "user@cs3224:~/Desktop\$". The command entered is `gcc assignment1.c -o assignment1`. The prompt changes to "Avinash\$". The command entered is `echo hi & pwd ; echo sleeping`. The output is displayed line by line: `hi`, `/home/user/Desktop`, and `sleeping`. The prompt returns to `Avinash$`.