

EXPERIMENT-4

- Shell script that determines the period for which a specified user is working on the system.

```
sia@sia-VirtualBox: ~/folder1$ chmod +x 4pt1.sh
sia@sia-VirtualBox: ~/folder1$ ./4pt1.sh
Enter the name of the user :
sia
sia :0 :0 Sat Nov 5 19:41 gone - no logout
sia :0 :0 Sat Nov 5 09:44 - crash (09:56)
sia :0 :0 Sat Nov 5 00:40 - crash (09:02)
sia :0 :0 Thu Nov 3 13:07 - crash (1+11:32)
sia :0 :0 Thu Nov 3 01:47 - crash (11:19)
sia :0 :0 Wed Nov 2 21:19 - crash (04:27)
sia :0 :0 Wed Nov 2 20:19 - crash (00:59)
sia :0 :0 Tue Nov 1 23:24 - crash (20:54)
sia :0 :0 Mon Oct 31 09:42 - crash (1+13:41)
sia :0 :0 Sun Oct 30 15:26 - crash (18:15)
sia :0 :0 Wed Oct 26 06:14 - crash (4+09:11)
sia :0 :0 Tue Oct 25 11:45 - crash (18:28)
sia :0 :0 Tue Oct 25 11:31 - crash (00:13)
sia :0 :0 Mon Oct 24 17:31 - down (17:54)
sia :0 :0 Mon Oct 24 14:35 - down (02:37)
sia :0 :0 Fri Oct 7 14:11 - crash (17+00:23)
sia :0 :0 Mon Oct 3 09:42 - crash (4+04:28)
sia :0 :0 Sun Oct 2 20:34 - crash (13:06)
sia :0 :0 Sun Oct 2 15:43 - down (00:53)
sia :0 :0 Thu Sep 29 14:38 - crash (3+01:04)
sia :0 :0 Wed Sep 28 17:52 - crash (20:45)
sia :0 :0 Fri Sep 23 17:52 - down (3+04:26)
sia :0 :0 Fri Sep 23 15:17 - crash (02:34)
sia :0 :0 Thu Sep 22 13:13 - down (08:08)
sia :0 :0 Mon Sep 19 09:44 - down (01:53)
sia :0 :0 Thu Sep 15 15:06 - down (00:29)
sia :0 :0 Thu Sep 15 13:26 - down (00:35)
sia :0 :0 Thu Sep 8 01:21 - down (01:23)
sia :0 :0 Thu Sep 8 01:11 - 01:20 (00:08)

wtmp begins Thu Sep 8 01:10:57 2022
sia@sia-VirtualBox: ~/folder1$ chmod +x 4pt2.sh
sia@sia-VirtualBox: ~/folder1$ ./4pt2.sh
enter the filename
b.txt
```

- Shell script that displays all the lines between start and end line numbers passed as argument.

```
wtmp begins Thu Sep 8 01:10:57 2022
sia@sia-VirtualBox: ~/folder1$ chmod +x 4pt2.sh
sia@sia-VirtualBox: ~/folder1$ ./4pt2.sh
enter the filename
b.txt
enter the starting line number
1
enter the ending line number
6
hhiii
currenty i am using virtualbox ubuntu.
ubuntu is an operating system.
it is easy to use.
hello. myself sia.
i am in 3rd semester.
sia@sia-VirtualBox: ~/folder1$ chmod +x 4pt3.sh
sia@sia-VirtualBox: ~/folder1$ ./4pt3.sh hello b.txt
DELETING: hello FROM: b.txt
sia@sia-VirtualBox: ~/folder1$ cat b.txt
hhiii
currenty i am using virtualbox ubuntu.
ubuntu is an operating system.
it is easy to use.
i am in 3rd semester.
we are best friends
forever
sia@sia-VirtualBox: ~/folder1$
```

- Shell script that deletes all lines containing a specified word in one or more files supplied as arguments to it.

```
sia@sia-VirtualBox: ~/folder1
wtmp begins Thu Sep  8 01:10:57 2022
sia@sia-VirtualBox:~/folder1$ chmod +x 4pt2.sh
sia@sia-VirtualBox:~/folder1$ ./4pt2.sh
enter the filename
b.txt
enter the starting line number
1
enter the ending line number
6
hhiii
currenty i am using virtualbox ubuntu.
ubuntu is an operating system.
it is easy to use.
hello. myself sia.
i am in 3rd semester.
sia@sia-VirtualBox:~/folder1$ chmod +x 4pt3.sh
sia@sia-VirtualBox:~/folder1$ ./4pt3.sh hello b.txt
DELETING: hello FROM: b.txt
sia@sia-VirtualBox:~/folder1$ cat b.txt
hhiii
currenty i am using virtualbox ubuntu.
ubuntu is an operating system.
it is easy to use.
i am in 3rd semester.
we are best friends
forever
sia@sia-VirtualBox:~/folder1$
```