



 slington college
(इस्लिङ्टन कलेज)

Module Code & Module Title
Level 5 – Operating Systems

Assessment Type
Logbook 6
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Assignment Due Date: Thursday, December 12, 2024

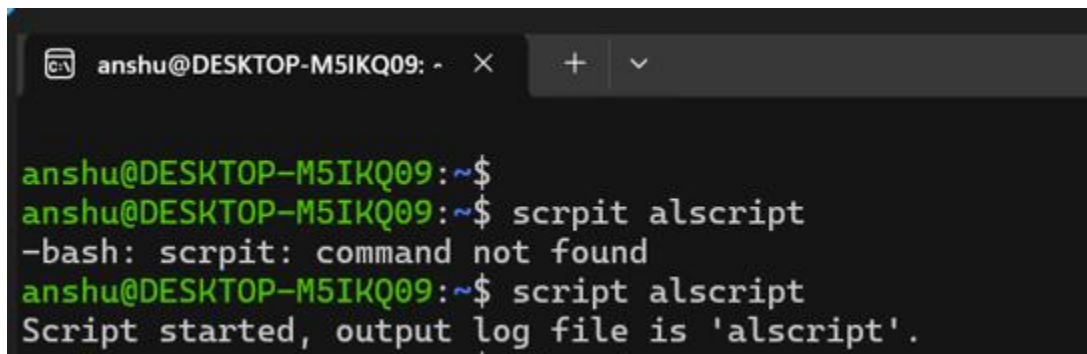
Assignment Submission Date: Thursday, December 12, 2024

Submitted To: Sarika Dahal

Word Count (Where Required):

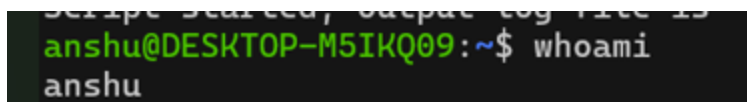
I confirm that I understand my coursework needs to be submitted online via MST Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

Step 1: Start the script session



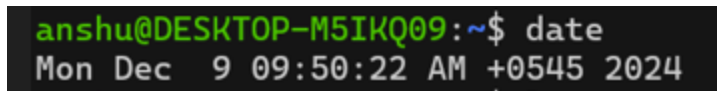
```
anshu@DESKTOP-M5IKQ09: ~$  
anshu@DESKTOP-M5IKQ09: ~$ scrpit alscript  
-bash: scrpit: command not found  
anshu@DESKTOP-M5IKQ09: ~$ script alscript  
Script started, output log file is 'alscript'.
```

Step 2: Display the username



```
anshu@DESKTOP-M5IKQ09: ~$ whoami  
anshu
```

Step 3: Display the date and time



```
anshu@DESKTOP-M5IKQ09: ~$ date  
Mon Dec 9 09:50:22 AM +0545 2024
```

Step 4: List files in different formats

```
anshu@DESKTOP-M5IKQ09:~$ ls
alscript
anshu@DESKTOP-M5IKQ09:~$ ls
alscript
anshu@DESKTOP-M5IKQ09:~$ ls -a
.  ..  alscript  .bash_history  .bash_logout  .bashrc  .profile
anshu@DESKTOP-M5IKQ09:~$ ls -a -l
total 20
drwx----- 2 anshu anshu 4096 Dec  9 09:48 .
drwxr-xr-x 3 root  root  4096 Dec  6 09:35 ..
-rw-r--r-- 1 anshu anshu    0 Dec  9 09:48 alscript
-rw----- 1 anshu anshu    0 Dec  6 09:56 .bash_history
-rw-r--r-- 1 anshu anshu  220 Dec  6 09:35 .bash_logout
-rw-r--r-- 1 anshu anshu 3526 Dec  6 09:35 .bashrc
-rw-r--r-- 1 anshu anshu  807 Dec  6 09:35 .profile
anshu@DESKTOP-M5IKQ09:~$
```

Step 5: View contents of a file

```
anshu@DESKTOP-M5IKQ09:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
_apt:x:42:65534::/nonexistent:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin
anshu:x:1000:1000:,,,:/home/anshu:/bin/bash
anshu@DESKTOP-M5IKQ09:~$ |
```

Step 6: Create a one-line file

```
anshu@DESKTOP-M5IKQ09:~$ echo "This is a one-line-line file">test1
```

Step 7: Create a multi-line file

```
anshu@DESKTOP-M5IKQ09:~$ cat > test2
This is file two
It has several lines
Three lines, in fact
```

Step 8: Check to see if the files exist and their contents

```
anshu@DESKTOP-M5IKQ09:~$ ls
alscript  test1  test2
```

Step 9: Create a directory structure

```
anshu@DESKTOP-M5IKQ09:~$ mkdir -p Nepal/{Bagmati/{ktm,Rasuwa},Gandaki/{Kaski,gorkha}}
anshu@DESKTOP-M5IKQ09:~$ tree
.
├── alscript
├── alscript
├── Nepal
│   ├── Bagmati
│   │   ├── ktm
│   │   └── Rasuwa
│   └── Gandaki
│       ├── gorkha
│       └── Kaski
├── test
│   ├── A
│   │   ├── B
│   │   │   ├── C
│   │   │   └── D
├── test1
└── test2

13 directories, 4 files
anshu@DESKTOP-M5IKQ09:~$ |
```