



Lab-1

Submitted To

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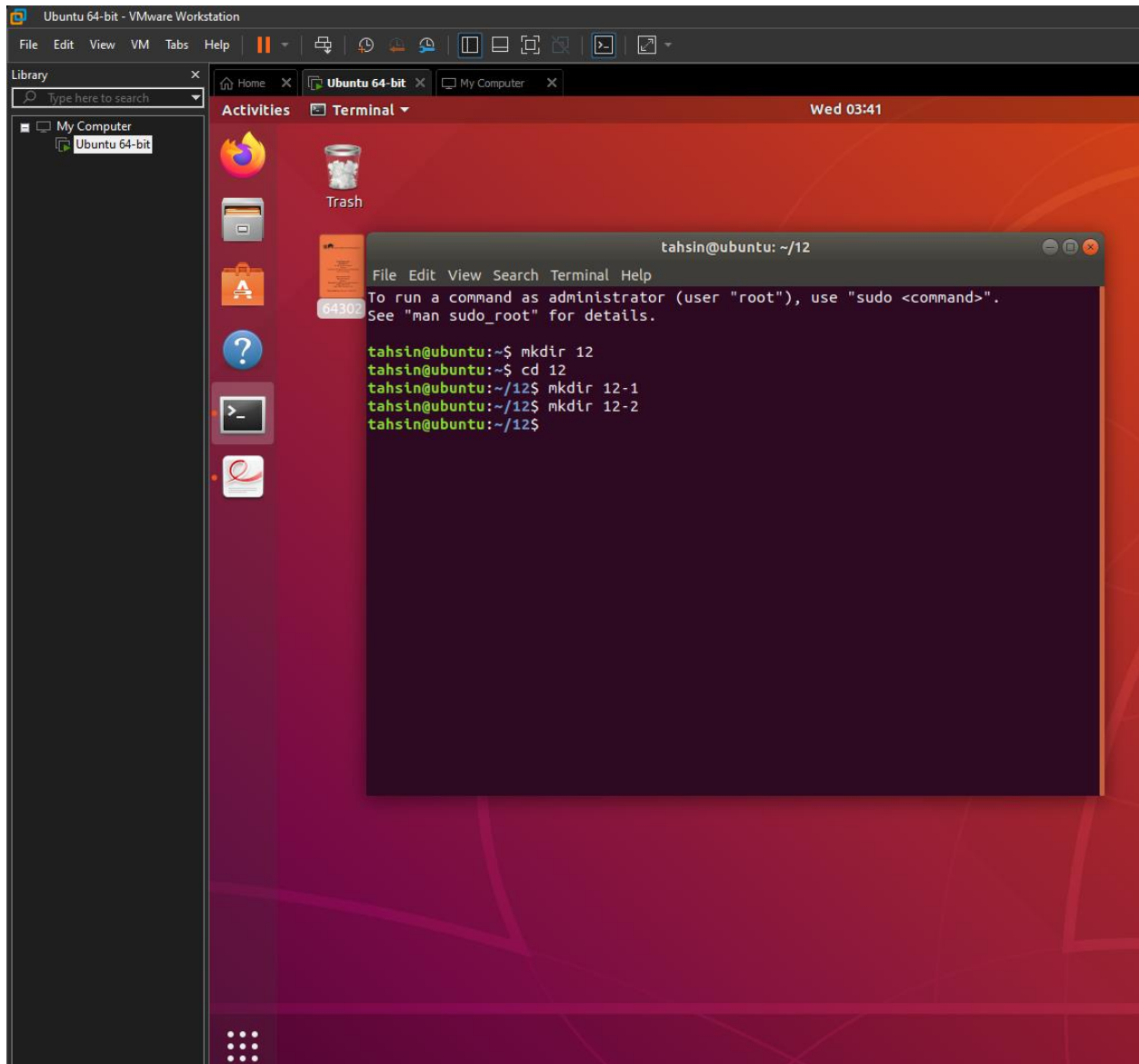
Course code: CSE325

Course Title: Operating System

Date of submission: 02-03-2022

Ans To The Ques No. 01-03

1. Create a directory named AB
2. Position your session in the AB directory.
3. Create two more sub-directories named AB-1 & AB-2

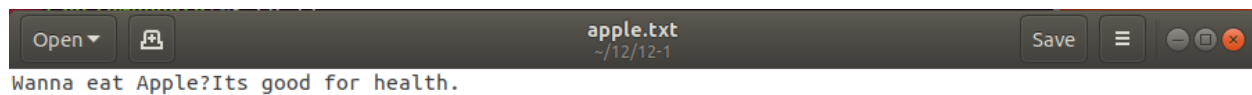
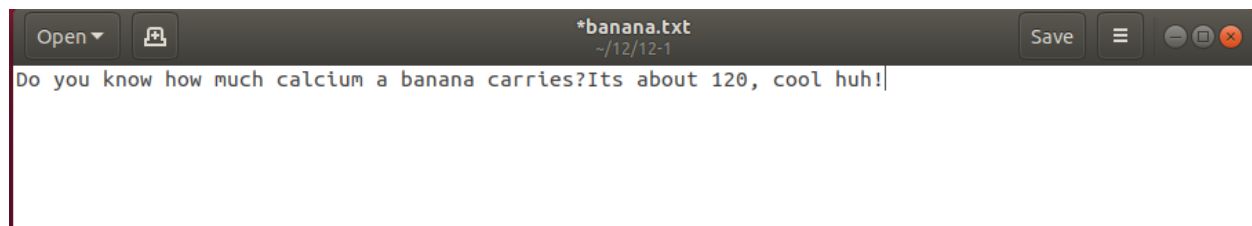


Ans To The Ques No. 04-05

4. Position your session in the AB-1 directory.

5. Create 2 files named C.txt and D.txt and write two lines regarding the file names in each text file.

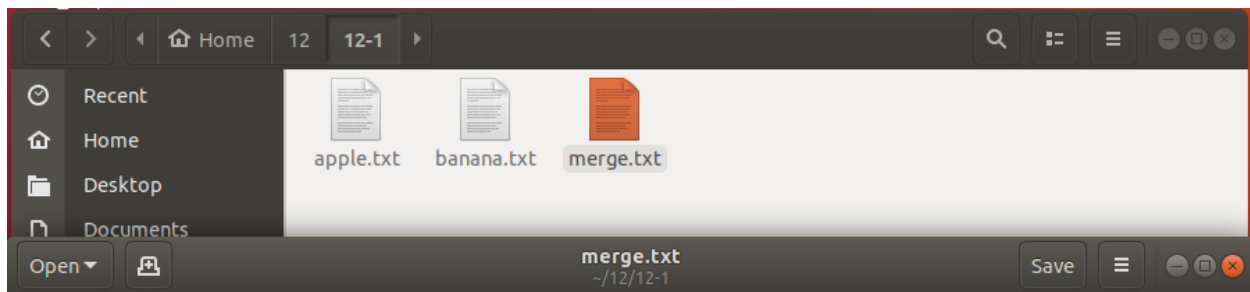
```
tahsin@ubuntu:~/12$ cd 12-1
tahsin@ubuntu:~/12/12-1$ gedit apple.txt
tahsin@ubuntu:~/12/12-1$ gedit banana.txt
tahsin@ubuntu:~/12/12-1$
```



Ans To The Ques No. 06

6. Merge these 2 files into one file named merge.tx

```
tahsin@ubuntu:~/12/12-1$ cat apple.txt banana.txt >> merge.txt
tahsin@ubuntu:~/12/12-1$
```



Wanna eat Apple?Its good for health.
Do you know how much calcium a banana carries?Its about 120, cool huh!

Ans To The Ques No. 07-08

7. Change permission for merge.txt so that user has all 3 permissions and user group has only read and write permission and others have only read permission.

8. Display the contents of AB-1 folder.

```
tahsin@ubuntu:~/12/12-1$ chmod 764 merge.txt
tahsin@ubuntu:~/12/12-1$ ls -l
total 12
-rw-rw-r-- 1 tahsin tahsin  37 Mar  2 03:48 apple.txt
-rw-rw-r-- 1 tahsin tahsin  72 Mar  2 03:51 banana.txt
-rwxrw-r-- 1 tahsin tahsin 109 Mar  2 03:57 merge.txt
tahsin@ubuntu:~/12/12-1$
```

Ans To The Ques No. 09

9. Move to AB-2 directory.

```
tahsin@ubuntu:~/12/12-1$ cd ..
tahsin@ubuntu:~/12$ cd 12-2
tahsin@ubuntu:~/12/12-2$
```

Ans To The Ques No. 10

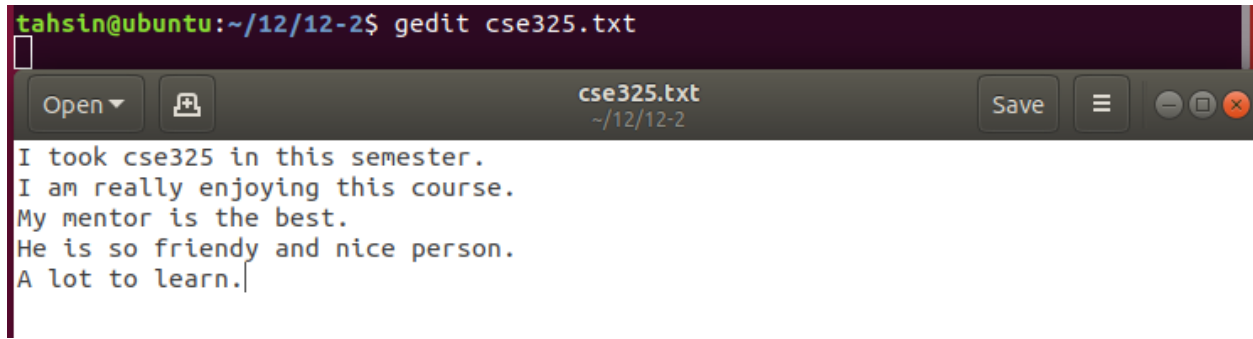
10. Change default permission such that execute permission is added to user, write permission is denied from group and others have only read permission

```
tahsin@ubuntu:~/12/12-2$ umask 754
tahsin@ubuntu:~/12/12-2$ umask 023
tahsin@ubuntu:~/12/12-2$ mkdir sia
tahsin@ubuntu:~/12/12-2$ ls -l
total 4
drwxr-xr-- 2 tahsin tahsin 4096 Mar  2 04:24 sia
tahsin@ubuntu:~/12/12-2$
```

Ans To The Ques No. 11

11. Create a file named E.txt to AB-2 directory and write 5 random lines about E.

```
tahsin@ubuntu:~/12/12-2$ gedit cse325.txt
```



I took cse325 in this semester.
I am really enjoying this course.
My mentor is the best.
He is so friendly and nice person.
A lot to learn.

Ans To The Ques No. 12

12. Sort the file and write the sorted output in a file named sort.txt inside AB-2 directory.

```
tahsin@ubuntu:~/12/12-2$ sort cse325.txt
A lot to learn.
He is so friendly and nice person.
I am really enjoying this course.
I took cse325 in this semester.
My mentor is the best.
tahsin@ubuntu:~/12/12-2$
```

Ans To The Ques No. 13

13. Rename merge.txt to combine.txt

```
tahsin@ubuntu:~/12/12-2$ cd ..
tahsin@ubuntu:~/12$ cd 12-1
tahsin@ubuntu:~/12/12-1$ ls
apple.txt  banana.txt  merge.txt
tahsin@ubuntu:~/12/12-1$ mv merge.txt combine.txt
tahsin@ubuntu:~/12/12-1$ ls
apple.txt  banana.txt  combine.txt
tahsin@ubuntu:~/12/12-1$
```

Ans To The Ques No. 14

14. Merge sort.txt and combine.txt in a new file named final.txt inside AB-2 directory

```
tahsin@ubuntu:~/12/12-2$ cat sort.txt combine.txt >> final.txt
tahsin@ubuntu:~/12/12-2$ ls -l
total 20
-rwxrw-r-- 1 tahsin tahsin 109 Mar  2 03:57 combine.txt
-rw-r--r-- 1 tahsin tahsin 140 Mar  2 04:29 cse325.txt
-rw-r--r-- 1 tahsin tahsin 241 Mar  2 04:51 final.txt
drwxr-xr-- 2 tahsin tahsin 4096 Mar  2 04:24 sia
-rw-r--r-- 1 tahsin tahsin 132 Mar  2 04:51 sort.txt
tahsin@ubuntu:~/12/12-2$
```

Ans To The Ques No. 15

15. Move final.txt from AB-2 to AB directory

```
tahsin@ubuntu:~/12/12-2$ mv final.txt /home/tahsin/12
```

```
tahsin@ubuntu:~/12$ ls -l
total 12
drwxrwxr-x 2 tahsin tahsin 4096 Mar  2 04:44 12-1
drwxrwxr-x 3 tahsin tahsin 4096 Mar  2 04:58 12-2
-rw-r--r-- 1 tahsin tahsin 241 Mar  2 04:51 final.txt
tahsin@ubuntu:~/12$
```

Ans To The Ques No. 16

16. Recursively list the contents of ABdirectory.

```
tahsin@ubuntu:~/12$ ls -R
.:
12-1 12-2 final.txt

./12-1:
apple.txt banana.txt

./12-2:
combine.txt cse325.txt sia sort.txt

./12-2/sia:
tahsin@ubuntu:~/12$
```

Ans To The Ques No. 17-18

17. Change your session to AB directory.

18. Display the contents of final.txt.

```
tahsin@ubuntu:~/12$ cd ..
tahsin@ubuntu:~$ cd 12
tahsin@ubuntu:~/12$ ls
12-1 12-2 final.txt
tahsin@ubuntu:~/12$ gedit final.txt
```

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I am really enjoying it.
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