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Task 1

Create a file cse.txt with default permission
Check the permission of cse.txt
Remove write permission using symbolic code
Investigate appending content to the file
Create directory dept
Check default permission for directory dept
Remove execute permission for dept
Investigate whether it is possible to modify dept

```
cs1050@ssn10:~/Desktop$ cat>cse.txt
hii nice to meet you
^Z
[2]+  Stopped                  cat > cse.txt
cs1050@ssn10:~/Desktop$ ls -l cse.txt
-rw-rw-r-- 1 cs1050 cs1050 21 Jul 17 09:22 cse.txt
cs1050@ssn10:~/Desktop$ chmod 444 cse.txt
cs1050@ssn10:~/Desktop$ cat>>cse.txt
bash: cse.txt: Permission denied
cs1050@ssn10:~/Desktop$ cat cse.txt
hii nice to meet you
cs1050@u13:~/Desktop$ mkdir dept
cs1050@u13:~/Desktop$ ls -ld dept
drwxrwxr-x 2 cs1050 cs1050 4096 Aug  5 14:50 dept
cs1050@u13:~/Desktop$ chmod 664 dept
cs1050@u13:~/Desktop$ ls -ld dept
drw-rw-r-- 2 cs1050 cs1050 4096 Aug  5 14:50 dept
cs1050@u13:~/Desktop$ cd dept
bash: cd: dept: Permission denied
```

Task 2

Use umask command to set the default permission to 700.
Create a directory SSN and check the permission is it 700? Explain why?
Give public access for the user the directory
Create a file sample.txt with some contents
Check the permission for file. Is it 600? Explain why?
Make the umask to write protected. What is the value? Explain
Create following directory structure in Desktop
SSN1->collegel.txt
SSN2 -> college2.txt
SSN3->college3.txt
Check the permissions of Files and directories.
Give the write permission recursively
Check whether the permissions are applied

```
cs1050@u13:~/Desktop$ umask
```

```

0002
cs1050@u13:~/Desktop$ umask 077
cs1050@u13:~/Desktop$ mkdir ssn
cs1050@u13:~/Desktop$ ls -ld ssn
drwx----- 2 cs1050 cs1050 4096 Aug  5 14:57 ssn // umask 077 has removed
read , write and execute permission for groups and others.
cs1050@u13:~/Desktop$ cat >sample.txt
contents of sample file
^C
cs1050@u13:~/Desktop$ cat sample.txt
contents of sample file
cs1050@u13:~/Desktop$ ls -l sample.txt
-rw----- 1 cs1050 cs1050 24 Aug  5 15:02 sample.txt //read , write and
execute permission has been removed
cs1050@u13:~/Desktop$ umask 022          // group and others have no write
permission
cs1050@u13:~/Desktop$ umask
0022
cs1050@u13:~/Desktop$ mkdir ssn1
cs1050@u13:~/Desktop$ cd ssn1
cs1050@u13:~/Desktop/ssn1$ cat>college1.txt
contents of college1
^C
cs1050@u13:~/Desktop/ssn1$ cd ..
cs1050@u13:~/Desktop$ mkdir ssn2
cs1050@u13:~/Desktop$ cd ssn2
cs1050@u13:~/Desktop/ssn2$ cat>college2.txt
contents of college2
^C
cs1050@u13:~/Desktop/ssn2$ cd ..
cs1050@u13:~/Desktop$ mkdir ssn3
cs1050@u13:~/Desktop$ cd ssn3
cs1050@u13:~/Desktop/ssn3$ cat>college3.txt
contents of college3
^C
cs1050@u13:~/Desktop/ssn3$ cd ..
cs1050@u13:~/Desktop$ ls -Rp -l
.:
total 28
drw-rw-r-- 2 cs1050 cs1050 4096 Aug  5 14:50 dept/
-rw----- 1 cs1050 cs1050  24 Aug  5 15:02 sample.txt
drwx----- 2 cs1050 cs1050 4096 Aug  5 14:57 ssn/
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 15:04 ssn1/
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 15:05 ssn2/
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 15:06 ssn3/
drwxrwxr-x 4 cs1050 cs1050 4096 Aug  5 14:55 unix/

./dept:
total 0

./ssn:
total 0

./ssn1:

```

```

total 4
-rw-r--r-- 1 cs1050 cs1050 21 Aug  5 15:05 college1.txt

./ssn2:
total 4
-rw-r--r-- 1 cs1050 cs1050 21 Aug  5 15:06 college2.txt

./ssn3:
total 4
-rw-r--r-- 1 cs1050 cs1050 21 Aug  5 15:06 college3.txt

./unix:
total 68
-r--r--r-- 1 cs1050 cs1050    21 Jul 17 14:52 cse.txt
drw-rw-r-- 2 cs1050 cs1050 4096 Jul 17 14:48 dept/
-rw-rw-rw- 1 cs1050 cs1050    5 Jul 17 15:17 sample1.txt
-rw-rw-r-- 1 cs1050 cs1050    7 Jul 17 15:15 sample.txt
drwx----- 2 cs1050 cs1050 4096 Jul 17 15:14 ssn/
-rw-rw-r-- 1 cs1050 cs1050 1943 Aug  5 14:55 tut-3
-rw-rw-r-- 1 cs1050 cs1050 40988 Jul 10 14:07 unix-1.txt

./unix/dept:
total 0

./unix/ssn:
total 0
cs1050@u13:~/Desktop$
cs1050@u13:~/Desktop$ cd ..
cs1050@u13:~$ chmod -R 755 Desktop //Write permission recursively
cs1050@u13:~$ ls -Rp -l Desktop
Desktop:
total 28
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 14:50 dept/
-rwxr-xr-x 1 cs1050 cs1050   24 Aug  5 15:02 sample.txt
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 14:57 ssn/
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 15:04 ssn1/
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 15:05 ssn2/
drwxr-xr-x 2 cs1050 cs1050 4096 Aug  5 15:06 ssn3/
drwxr-xr-x 4 cs1050 cs1050 4096 Aug  5 14:55 unix/

Desktop/dept:
total 0

Desktop/ssn:
total 0

Desktop/ssn1:
total 4
-rwxr-xr-x 1 cs1050 cs1050 21 Aug  5 15:05 college1.txt

Desktop/ssn2:
total 4
-rwxr-xr-x 1 cs1050 cs1050 21 Aug  5 15:06 college2.txt

```

Desktop/ssn3:

total 4

-rwxr-xr-x 1 cs1050 cs1050 21 Aug 5 15:06 college3.txt

Desktop/unix:

total 68

-rwxr-xr-x 1 cs1050 cs1050 21 Jul 17 14:52 cse.txt

drwxr-xr-x 2 cs1050 cs1050 4096 Jul 17 14:48 dept/

-rwxr-xr-x 1 cs1050 cs1050 5 Jul 17 15:17 sample1.txt

-rwxr-xr-x 1 cs1050 cs1050 7 Jul 17 15:15 sample.txt

drwxr-xr-x 2 cs1050 cs1050 4096 Jul 17 15:14 ssn/

-rwxr-xr-x 1 cs1050 cs1050 1943 Aug 5 14:55 tut-3

-rwxr-xr-x 1 cs1050 cs1050 40988 Jul 10 14:07 unix-1.txt

Desktop/unix/dept:

total 0

Desktop/unix/ssn:

total 0

Task-3

Use vi editor to type the following lines in sample.txt

This is sample file created using VI Editor

Press i to go into insert mode

Press Escape dd to delete an entire line

```
cs1050@ssn10:~/Desktop$ vi
```

```
cs1050@ssn10:~/Desktop$ cat sample.txt
```

```
this is a sample file created using VI editor
```

```
press i to go to the insert mode
```

```
press escape dd to delete an entire line
```