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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

cs1058@ssn10:~/Desktop$ cat>cse.txt
hii nice to meet you
^Z
[2]+ Stopped   cat > cse.txt
cs1058@ssn10:~/Desktop$ ls -l cse.txt
-rw-rw-r-- 1 cs1058 cs1058 21 Jul 17 09:22 cse.txt
cs1058@ssn10:~/Desktop$ chmod 444 cse.txt
cs1058@ssn10:~/Desktop$ cat>>cse.txt
bash: cse.txt: Permission denied
cs1058@ssn10:~/Desktop$ cat cse.txt
hii nice to meet you
cs1058@u13:~/Desktop$ mkdir dept
cs1058@u13:~/Desktop$ ls -ld dept
drwxrwxr-x 2 cs1058 cs1058 4096 Aug 5 14:50 dept
cs1058@u13:~/Desktop$ chmod 664 dept
cs1058@u13:~/Desktop$ ls -ld dept
drw-rw-r-- 2 cs1058 cs1058 4096 Aug 5 14:50 dept
cs1058@u13:~/Desktop$ cd dept
bash: cd: dept: Permission denied

Task 2
Use umask command to set the default permsiion 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->college1.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

cs1058@u13:~/Desktop$ umask
0002
cs1058@u13:~/Desktop$ umask 077
cs1058@u13:~/Desktop$ mkdir ssn
cs1058@u13:~/Desktop$ ls -ld ssn
drwx------ 2 cs1058 cs1058 4096 Aug 5 14:57 ssn // umask 077 has removed read , write and
execute permission for groups and others.
cs1058@u13:~/Desktop$ cat >sample.txt
contents of sample file
^C
cs1058@u13:~/Desktop$ cat sample.txt
contents of sample file
cs1058@u13:~/Desktop$ ls -l sample.txt
-rw------- 1 cs1058 cs1058 24 Aug 5 15:02 sample.txt //read , write and execute permission has
been removed
cs1058@u13:~/Desktop$ umask 022   // group and others have no write
permission
cs1058@u13:~/Desktop$ umask
0022
cs1058@u13:~/Desktop$ mkdir ssn1
cs1058@u13:~/Desktop$ cd ssn1
cs1058@u13:~/Desktop/ssn1$ cat>college1.txt
contents of college1
^C
cs1058@u13:~/Desktop/ssn1$ cd ..
cs1058@u13:~/Desktop$ mkdir ssn2
cs1058@u13:~/Desktop$ cd ssn2
cs1058@u13:~/Desktop/ssn2$ cat>college2.txt
contents of college2
^C
cs1058@u13:~/Desktop/ssn2$ cd ..
cs1058@u13:~/Desktop$ mkdir ssn3
cs1058@u13:~/Desktop$ cd ssn3

```
cs1058@u13:~/Desktop/ssn3$ cat>college3.txt
contents of college3
^C
cs1058@u13:~/Desktop/ssn3$ cd ..
cs1058@u13:~/Desktop$ ls -Rp -l
.:
total 28
drw-rw-r-- 2 cs1058 cs1058 4096 Aug  5 14:50 dept/
-rw------- 1 cs1058 cs1058   24 Aug  5 15:02 sample.txt
drwx------ 2 cs1058 cs1058 4096 Aug  5 14:57 ssn/
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 15:04 ssn1/
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 15:05 ssn2/
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 15:06 ssn3/
drwxrwxr-x 4 cs1058 cs1058 4096 Aug  5 14:55 unix/

./dept:
total 0

./ssn:
total 0

./ssn1:
total 4
-rw-r--r-- 1 cs1058 cs1058 21 Aug  5 15:05 college1.txt

./ssn2:
total 4
-rw-r--r-- 1 cs1058 cs1058 21 Aug  5 15:06 college2.txt

./ssn3:
total 4
-rw-r--r-- 1 cs1058 cs1058 21 Aug  5 15:06 college3.txt

./unix:
total 68
-r--r--r-- 1 cs1058 cs1058    21 Jul 17 14:52 cse.txt
drw-rw-r-- 2 cs1058 cs1058  4096 Jul 17 14:48 dept/
-rw-rw-rw- 1 cs1058 cs1058     5 Jul 17 15:17 sample1.txt
-rw-rw-r-- 1 cs1058 cs1058     7 Jul 17 15:15 sample.txt
drwx------ 2 cs1058 cs1058  4096 Jul 17 15:14 ssn/
-rw-rw-r-- 1 cs1058 cs1058  1943 Aug  5 14:55 tut-3
-rw-rw-r-- 1 cs1058 cs1058 40988 Jul 10 14:07 unix-1.txt
```

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./unix/dept:
total 0

./unix/ssn:
total 0
cs1058@u13:~/Desktop$
cs1058@u13:~/Desktop$ cd ..
cs1058@u13:~$ chmod -R 755 Desktop  //Write permission recursively
cs1058@u13:~$ ls -Rp -l Desktop
Desktop:
total 28
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 14:50 dept/
-rwxr-xr-x 1 cs1058 cs1058   24 Aug  5 15:02 sample.txt
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 14:57 ssn/
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 15:04 ssn1/
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 15:05 ssn2/
drwxr-xr-x 2 cs1058 cs1058 4096 Aug  5 15:06 ssn3/
drwxr-xr-x 4 cs1058 cs1058 4096 Aug  5 14:55 unix/

Desktop/dept:
total 0

Desktop/ssn:
total 0

Desktop/ssn1:
total 4
-rwxr-xr-x 1 cs1058 cs1058 21 Aug  5 15:05 college1.txt

Desktop/ssn2:
total 4
-rwxr-xr-x 1 cs1058 cs1058 21 Aug  5 15:06 college2.txt

Desktop/ssn3:
total 4
-rwxr-xr-x 1 cs1058 cs1058 21 Aug  5 15:06 college3.txt

Desktop/unix:
total 68
-rwxr-xr-x 1 cs1058 cs1058   21 Jul 17 14:52 cse.txt
drwxr-xr-x 2 cs1058 cs1058 4096 Jul 17 14:48 dept/
-rwxr-xr-x 1 cs1058 cs1058    5 Jul 17 15:17 sample1.txt
-rwxr-xr-x 1 cs1058 cs1058    7 Jul 17 15:15 sample.txt
```

drwxr-xr-x 2 cs1058 cs1058 4096 Jul 17 15:14 ssn/
-rwxr-xr-x 1 cs1058 cs1058 1943 Aug 5 14:55 tut-3
-rwxr-xr-x 1 cs1058 cs1058 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

cs1058@ssn10:~/Desktop$ vi
cs1058@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