

**Subject Code: CCS381** 

**Subject Name: Operating Systems** 

Online Activity

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Using the Linux Command Line Interface (i.e., Terminal), do the following:

1. Create the following file-hierarchy

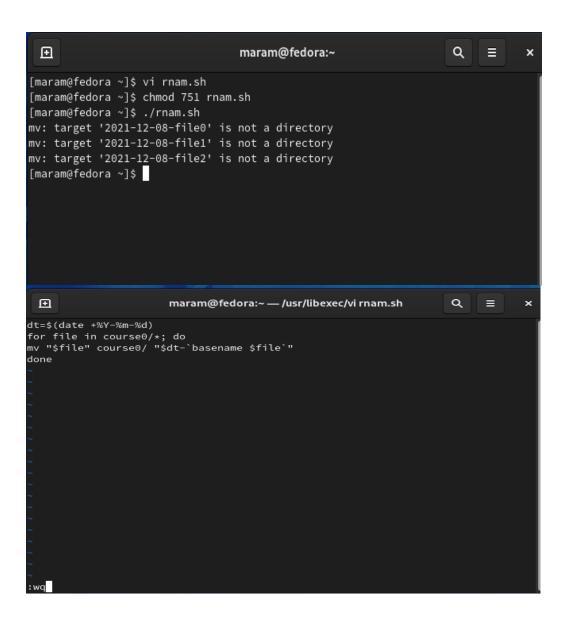
```
Q
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                                 maram@fedora:~
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                                                                               ×
[maram@fedora ~]$ mkdir course0
[maram@fedora ~]$ cd course0
[maram@fedora course0]$ touch file0 file1 file2
[maram@fedora course0]$ cd ..
[maram@fedora ~]$ mkdir coursel
[maram@fedora ~]$ cd course1
[maram@fedora course1]$ touch file0 file1 file2
[maram@fedora course1]$ cd ..
[maram@fedora ~]$ mkdir course2
[maram@fedora ~]$ cd course2
[maram@fedora course2]$ touch file0 file1 file2
[maram@fedora course2]$ cd ..
[maram@fedora ~]$ mkdir course3
[maram@fedora ~]$ cd course3
[maram@fedora course3]$ touch file0 file1 file2
[maram@fedora course3]$ cd ..
[maram@fedora ~]$ mkdir course4
[maram@fedora ~]$ cd course4
[maram@fedora course4]$ touch file0 file1 file2
[maram@fedora course4]$ cd ..
[maram@fedora ~]$
```

2. Change the files permissions so all files have the following permissions -rwxr-xr-x

```
-rwxr-xr-x. 1 maram maram 0 Nov 26 03:53 file0
-rwxr-xr-x. 1 maram maram 0 Nov 26 03:53 file0
-rwxr-xr-x. 1 maram maram 0 Nov 26 03:53 file0
[maramefedora course0]$ cd ..
[maramefedora course1]$ chmod 755 file0 file1 file2
[maramefedora course1]$ chmod 755 file0 file1 file2
[maramefedora course1]$ chmod 755 file0 file1 file2
[maramefedora course1]$ cd ..
[maramefedora course2]$ chmod 755 file0 file1 file2
[maramefedora course2]$ cd ..
[maramefedora cou
```

3. Write and execute a bash shell script named rnam.sh that renames all files in the directory course0 to begin with today's date in the following format: YYYY-MM-DD.

For example, the file "file1" would be changed to "2021–11–23-file1".



4. Write a shell script named checkType.sh that accept name of a file or directory as argument and reports if it is a regular file, a directory, or another type of file. Also perform a ls command against the file or directory with the long listing option.

