

# Day-2 Assignment

## Find and Grep command

### find Assignment

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#### Mandatory:

1. Search and display all \*.c and \*.h files in all subdirectories starting from current directory
2. Search and display all directories in all subdirectories starting from current directory
3. Search and display all files with permissions only rw with user and execute permission for others

1.

```
trainee29@DESKTOP-TNF7R99:~$ mkdir newDir
trainee29@DESKTOP-TNF7R99:~$ cd newDir
trainee29@DESKTOP-TNF7R99:~/newDir$ mkdir a1
trainee29@DESKTOP-TNF7R99:~/newDir$ mkdir a2
trainee29@DESKTOP-TNF7R99:~/newDir$ mkdir a3
trainee29@DESKTOP-TNF7R99:~/newDir$ cd a1
trainee29@DESKTOP-TNF7R99:~/newDir/a1$ touch file.c
trainee29@DESKTOP-TNF7R99:~/newDir/a1$ mkdir a4
trainee29@DESKTOP-TNF7R99:~/newDir/a1$ cd a4
trainee29@DESKTOP-TNF7R99:~/newDir/a1/a4$ touch file.c
trainee29@DESKTOP-TNF7R99:~/newDir/a1/a4$ cd ..
trainee29@DESKTOP-TNF7R99:~/newDir/a1$ cd ..
trainee29@DESKTOP-TNF7R99:~/newDir$ cd a2
trainee29@DESKTOP-TNF7R99:~/newDir/a2$ touch file.h
trainee29@DESKTOP-TNF7R99:~/newDir/a2$ mkdir cd5
trainee29@DESKTOP-TNF7R99:~/newDir/a2$ cd cd5
trainee29@DESKTOP-TNF7R99:~/newDir/a2/cd5$ touch file.c
trainee29@DESKTOP-TNF7R99:~/newDir/a2/cd5$ cd ..
trainee29@DESKTOP-TNF7R99:~/newDir/a2$ cd ..
trainee29@DESKTOP-TNF7R99:~/newDir$ cd a3
trainee29@DESKTOP-TNF7R99:~/newDir/a3$ touch file.h
trainee29@DESKTOP-TNF7R99:~/newDir/a3$ cd ..
trainee29@DESKTOP-TNF7R99:~/newDir$ ls
a1 a2 a3
trainee29@DESKTOP-TNF7R99:~/newDir$ find a1/ -name "file"
a1/a4/file.c
a1/file.c
trainee29@DESKTOP-TNF7R99:~/newDir$ find a2/ -name "file.c"
a2/cd5/file.c
trainee29@DESKTOP-TNF7R99:~/newDir$ find a2/ -name "file.h"
a2/file.h
trainee29@DESKTOP-TNF7R99:~/newDir$ find a3/ -name "file.h"
a3/file.h
trainee29@DESKTOP-TNF7R99:~/newDir$
```

2.

```
trainee29@DESKTOP-TNF7R99:~/document$ mkdir d1
trainee29@DESKTOP-TNF7R99:~/document$ cd d1
trainee29@DESKTOP-TNF7R99:~/document/d1$ mkdir d2
trainee29@DESKTOP-TNF7R99:~/document/d1$ cd d2
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ ls
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ touch newfile.txt
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ touch newfile1.txt
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ ls
newfile.txt  newfile1.txt
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ ll
total 0
drwxr-xr-x 1 trainee29 trainee29 512 Oct 21 20:46 ./
drwxr-xr-x 1 trainee29 trainee29 512 Oct 21 20:46 ../
-rw-r--r-- 1 trainee29 trainee29   0 Oct 21 20:46 newfile.txt
-rw-r--r-- 1 trainee29 trainee29   0 Oct 21 20:46 newfile1.txt
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ ls -l | grep ^d
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ ls -al | grep ^d
drwxr-xr-x 1 trainee29 trainee29 512 Oct 21 20:46 .
drwxr-xr-x 1 trainee29 trainee29 512 Oct 21 20:46 ..
trainee29@DESKTOP-TNF7R99:~/document/d1/d2$ cd ..
trainee29@DESKTOP-TNF7R99:~/document/d1$ cd ..
trainee29@DESKTOP-TNF7R99:~/document$ touch doc1.txt
trainee29@DESKTOP-TNF7R99:~/document$ touch doc2.txt
trainee29@DESKTOP-TNF7R99:~/document$ ls
d1  doc1.txt  doc2.txt
trainee29@DESKTOP-TNF7R99:~/document$ grep example doc1.txt
trainee29@DESKTOP-TNF7R99:~/document$ grep *.c
Annayasha Paul
^C
trainee29@DESKTOP-TNF7R99:~/document$ cd ..
trainee29@DESKTOP-TNF7R99:~$
```

3.

```
trainee29@DESKTOP-TNF7R99:~$ mkdir direc
trainee29@DESKTOP-TNF7R99:~$ cd direc
trainee29@DESKTOP-TNF7R99:~/direc$ touch hello.txt
trainee29@DESKTOP-TNF7R99:~/direc$ ls
hello.txt
trainee29@DESKTOP-TNF7R99:~/direc$ ls -l
total 0
-rw-r--r-- 1 trainee29 trainee29 0 Oct 21 20:36 hello.txt
trainee29@DESKTOP-TNF7R99:~/direc$ mkdir direc1
trainee29@DESKTOP-TNF7R99:~/direc$ ls -l
total 0
drwxr-xr-x 1 trainee29 trainee29 512 Oct 21 20:36 direc1
-rw-r--r-- 1 trainee29 trainee29   0 Oct 21 20:36 hello.txt
trainee29@DESKTOP-TNF7R99:~/direc$ chmod g+x hello.txt
trainee29@DESKTOP-TNF7R99:~/direc$ cd ..
trainee29@DESKTOP-TNF7R99:~$
```