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BATCH:C4

```
Arundarasis-MacBook-Air:~ arunda$ cd Desktop
Arundarasis-MacBook-Air:Desktop arunda$ mkdir myfolder2
Arundarasis-MacBook-Air:Desktop arunda$ cd myfolder2
Arundarasis-MacBook-Air:myfolder2 arunda$ mkdir MF1
Arundarasis-MacBook-Air:myfolder2 arunda$ mkdir MF2
Arundarasis-MacBook-Air:myfolder2 arunda$ mkdir MF3
Arundarasis-MacBook-Air:myfolder2 arunda$ ls -r
MF3     MF2     MF1
Arundarasis-MacBook-Air:myfolder2 arunda$ cd MF1
Arundarasis-MacBook-Air:MF1 arunda$ mkdir sub1
Arundarasis-MacBook-Air:MF1 arunda$ mkdir sub2
Arundarasis-MacBook-Air:MF1 arunda$ ls -r
sub2     sub1
Arundarasis-MacBook-Air:MF1 arunda$ cd sub1
Arundarasis-MacBook-Air:sub1 arunda$ cat>file1.txt
Arundarasis-MacBook-Air:sub1 arunda$ vi file1.txt
Arundarasis-MacBook-Air:sub1 arunda$ cat>file2.txt
Arundarasis-MacBook-Air:sub1 arunda$ vi file2.txt
Arundarasis-MacBook-Air:sub1 arunda$ ls -r
file2.txt       file1.txt
Arundarasis-MacBook-Air:sub1 arunda$ cat file1.txt
hello world!
Arundarasis-MacBook-Air:sub1 arunda$ cat file2.txt
my name is arunda
Arundarasis-MacBook-Air:sub1 arunda$ cat file1.txt file2.txt>file3.txt
Arundarasis-MacBook-Air:sub1 arunda$ ls -r
file3.txt       file2.txt       file1.txt
Arundarasis-MacBook-Air:sub1 arunda$ cat file3.txt
hello world!
my name is arunda
Arundarasis-MacBook-Air:sub1 arunda$ cd ..
Arundarasis-MacBook-Air:MF1 arunda$ cd sub2
Arundarasis-MacBook-Air:sub2 arunda$ cat>file3.doc
Arundarasis-MacBook-Air:sub2 arunda$ cat>file4.doc
```

```
Arundarasis-MacBook-Air:sub2 arunda$ ls -r
file4.doc       file3.doc
Arundarasis-MacBook-Air:sub2 arunda$ mv file3.doc newfile3.doc
Arundarasis-MacBook-Air:sub2 arunda$ ls -r
newfile3.doc    file4.doc
Arundarasis-MacBook-Air:sub2 arunda$ cd ..
Arundarasis-MacBook-Air:MF1 arunda$ cd ..
Arundarasis-MacBook-Air:myfolder2 arunda$ cd MF2
Arundarasis-MacBook-Air:MF2 arunda$ mkdir sub3
Arundarasis-MacBook-Air:MF2 arunda$ mkdir sub4
Arundarasis-MacBook-Air:MF2 arunda$ ls -r
sub4    sub3
Arundarasis-MacBook-Air:MF2 arunda$ cd sub4
Arundarasis-MacBook-Air:sub4 arunda$ cat>file5.c
Arundarasis-MacBook-Air:sub4 arunda$ cat>file6.cpp
Arundarasis-MacBook-Air:sub4 arunda$ ls -r
file6.cpp       file5.c
Arundarasis-MacBook-Air:sub4 arunda$ cd ..
Arundarasis-MacBook-Air:MF2 arunda$ cd ..
Arundarasis-MacBook-Air:myfolder2 arunda$ cd MF3
Arundarasis-MacBook-Air:MF3 arunda$ mkdir sub5
Arundarasis-MacBook-Air:MF3 arunda$ mkdir sub6
Arundarasis-MacBook-Air:MF3 arunda$ cd sub6
Arundarasis-MacBook-Air:sub6 arunda$ cd ..
Arundarasis-MacBook-Air:MF3 arunda$ ls -r
sub6    sub5
Arundarasis-MacBook-Air:MF3 arunda$ cd sub6
Arundarasis-MacBook-Air:sub6 arunda$ cat>file7.doc
Arundarasis-MacBook-Air:sub6 arunda$ ls -r
file7.doc
```

```
Arundarasis-MacBook-Air:sub6 arunda$ cd ..
Arundarasis-MacBook-Air:MF3 arunda$ cd ..
Arundarasis-MacBook-Air:myfolder2 arunda$ ls -al
total 0
drwxr-xr-x   5 arunda  staff  160 Feb  1 14:07 .
drwx------@ 17 arunda  staff  544 Feb  1 14:15 ..
drwxr-xr-x   4 arunda  staff  128 Feb  1 14:07 MF1
drwxr-xr-x   4 arunda  staff  128 Feb  1 14:12 MF2
drwxr-xr-x   4 arunda  staff  128 Feb  1 14:13 MF3
Arundarasis-MacBook-Air:myfolder2 arunda$ ls -a
.       ..      MF1     MF2     MF3
Arundarasis-MacBook-Air:myfolder2 arunda$ cd ..
Arundarasis-MacBook-Air:Desktop arunda$ ls -R
```
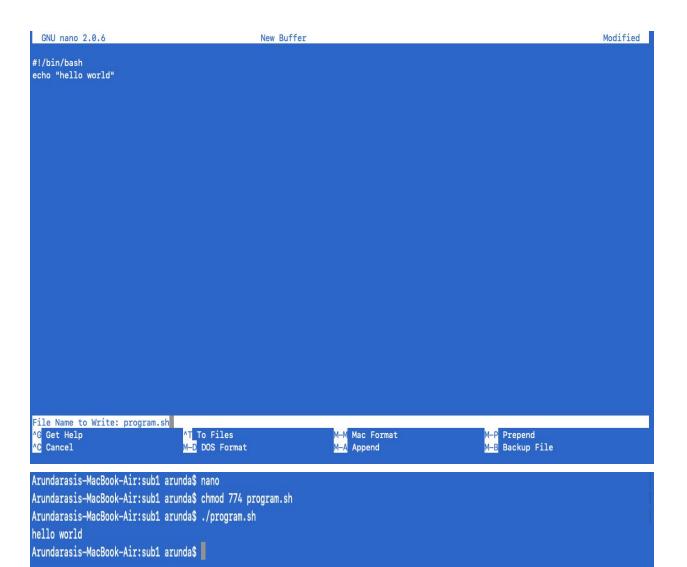
```
./myfolder2:
MF1     MF2     MF3

./myfolder2/MF1:
sub1    sub2

./myfolder2/MF1/sub1:
file1.txt       file2.txt       file3.txt

./myfolder2/MF1/sub2:
file4.doc       newfile3.doc

./myfolder2/MF2:
sub3    sub4

./myfolder2/MF2/sub3:

./myfolder2/MF2/sub4:
file5.c         file6.cpp

./myfolder2/MF3:
sub5    sub6

./myfolder2/MF3/sub5:

./myfolder2/MF3/sub6:
file7.doc
```

```
Arundarasis-MacBook-Air:Desktop arunda$ cd myfolder2
Arundarasis-MacBook-Air:myfolder2 arunda$ cd MF2
Arundarasis-MacBook-Air:MF2 arunda$ cd sub4
Arundarasis-MacBook-Air:sub4 arunda$ rm file6.cpp
Arundarasis-MacBook-Air:sub4 arunda$ ls -r
file5.c
Arundarasis-MacBook-Air:sub4 arunda$ cd ..
Arundarasis-MacBook-Air:MF2 arunda$ rmdir sub3
Arundarasis-MacBook-Air:MF2 arunda$ ls -r
sub4
```

```
Arundarasis-MacBook-Air:~ arunda$ cd Desktop
Arundarasis-MacBook-Air:Desktop arunda$ cd myfolder2
Arundarasis-MacBook-Air:myfolder2 arunda$ cd MF1
Arundarasis-MacBook-Air:MF1 arunda$ cd sub1
Arundarasis-MacBook-Air:sub1 arunda$ mv file2.txt ~/Desktop/myfolder2/MF1/sub2
Arundarasis-MacBook-Air:sub1 arunda$ ls -r
file3.txt        file1.txt
Arundarasis-MacBook-Air:sub1 arunda$ cd ..
Arundarasis-MacBook-Air:MF1 arunda$ cd sub2
Arundarasis-MacBook-Air:sub2 arunda$ ls -r
newfile3.doc    file4.doc        file2.txt
Arundarasis-MacBook-Air:sub2 arunda$ cp file4.doc ~/Desktop/myfolder2/MF1/sub1
Arundarasis-MacBook-Air:sub2 arunda$ cd ..
Arundarasis-MacBook-Air:MF1 arunda$ cd sub1
Arundarasis-MacBook-Air:sub1 arunda$ ls -r
file4.doc        file3.txt        file1.txt
Arundarasis-MacBook-Air:sub1 arunda$
```

```
#!/bin/bash
echo "hello world"
```

```
File Name to Write: program.sh
^G Get Help          ^T To Files          M-M Mac Format       M-P Prepend
^C Cancel            M-D DOS Format       M-A Append           M-B Backup File
```

```
Arundarasis-MacBook-Air:sub1 arunda$ nano
Arundarasis-MacBook-Air:sub1 arunda$ chmod 774 program.sh
Arundarasis-MacBook-Air:sub1 arunda$ ./program.sh
hello world
Arundarasis-MacBook-Air:sub1 arunda$
```

```
LS(1)                    BSD General Commands Manual                    LS(1)

NAME
     ls — list directory contents

SYNOPSIS
     ls [-ABCFGHLOPRSTUW@abcdefghiklmnopqrstuwx1%] [file ...]

DESCRIPTION
     For each operand that names a file of a type other than directory, ls
     displays its name as well as any requested, associated information.
     For each operand that names a file of type directory, ls displays the
     names of files contained within that directory, as well as any
     requested, associated information.

     If no operands are given, the contents of the current directory are
     displayed.  If more than one operand is given, non-directory operands
     are displayed first; directory and non-directory operands are sorted
     separately and in lexicographical order.

     The following options are available:

     -@     Display extended attribute keys and sizes in long (-l) output.

     -1     (The numeric digit ``one''.)  Force output to be one entry per
            line.  This is the default when output is not to a terminal.

     -A     List all entries except for . and ...  Always set for the
            super-user.

     -a     Include directory entries whose names begin with a dot (.).

:
```

```
Arundarasis-MacBook-Air:sub1 arunda$ man ls
Arundarasis-MacBook-Air:sub1 arunda$ history
    1  python
    2  python3
    3  python
    4  python app.py
    5  python app.py
    6  python app.py
    7  python app.py
    8  Hello
    9  print<hello>
   10  cd '/Users/arunda/Documents/helloworld/' && '/usr/bin/pythonw'  '/Users/arunda/Documents/helloworld/app.py'  && echo Exit status
: $? && exit 1
   11  #include <stdio.h>
   12  hello
   13  printf("Hello")
   14  cd '/Users/arunda/Documents/helloworld/' && '/usr/bin/pythonw'  '/Users/arunda/Documents/helloworld/app.py'  && echo Exit status
: $? && exit 1
   15  adfsfsd
   16  /Volumes/TurboC++/Sierra\ Fix ; exit;
   17  /Volumes/TurboC++/Sierra\ Fix ; exit;
   18  cd Desktop
   19  mkdir folder
   20  cd folder
   21  mkdir folder1
   22  cd folder1
   23  cat>file1.txt
   24  vi file1.txt
   25  cd Desktop
```