

Nabendu Das_24250059

Assignment-1

1- Open terminal and find out the path of the folder being displayed in the terminal.

(Hint- Use pwd command to check the current location in terminal and cd command to change the directory)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment$ pwd
/home/intern/Nabendu/Biocomputing_Assignment
```

2- Change directory to the folder with files uploaded on classroom. Create a new folder named “BE623_labsession_1” (Hint- Use mkdir command)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment$ mkdir BE623_labsession_1
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment$ ls
BE623_labsession_1  protein.fasta  sequence.fasta
```

3- Enter BE623_labsession_1 folder (Hint use cd command)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment$ cd BE623_labsession_1/
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ pwd
/home/intern/Nabendu/Biocomputing_Assignment/BE623_labsession_1
```

4- Confirm that your current folder is “BE623_labsession_1” (Hint use pwd command)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment$ cd BE623_labsession_1/
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ pwd
/home/intern/Nabendu/Biocomputing_Assignment/BE623_labsession_1
```

5- List all the files and folders in the directory (Hint use ls command)

No files present because the directory is empty.

6- Copy “sequence.fasta and protein.fasta” file to current folder (Hint cp ../sequence.fasta ./)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ cp ../sequence.fasta ./
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls
sequence.fasta
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ cp ../protein.fasta ./
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls
protein.fasta  sequence.fasta
```

7- List all the files and folders in the directory (Hint use ls command)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls
protein.fasta  sequence.fasta
```

8- Find out if there is any hidden file or folder in the directory (Hint: ls -al)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls -al
total 92
drwxrwxr-x 2 intern intern 4096 Aug 11 14:56 .
drwxrwxr-x 3 intern intern 4096 Aug 11 14:54 ..
-rw-rw-r-- 1 intern intern 467 Aug 11 14:56 protein.fasta
-rw-rw-r-- 1 intern intern 79551 Aug 11 14:56 sequence.fasta
```

9- Find out permissions associated with files in the folder (Hint: ls -al)

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls -al
total 92
drwxrwxr-x 2 intern intern 4096 Aug 11 14:56 .
drwxrwxr-x 3 intern intern 4096 Aug 11 14:54 ..
-rw-rw-r-- 1 intern intern 467 Aug 11 14:56 protein.fasta
-rw-rw-r-- 1 intern intern 79551 Aug 11 14:56 sequence.fasta
```

10- Find out the permissions of the files and folders in /

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls -al
total 92
drwxrwxr-x 2 intern intern 4096 Aug 11 14:56 .
drwxrwxr-x 3 intern intern 4096 Aug 11 14:54 ..
-rw-rw-r-- 1 intern intern 467 Aug 11 14:56 protein.fasta
-rw-rw-r-- 1 intern intern 79551 Aug 11 14:56 sequence.fasta
```

11- Change the permissions of the file “protein.fasta” so that it is readable, writable and executable by everyone (Hint use chmod). Change the permissions back to what they were.

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ chmod a+x sequence.fasta
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls -al
total 92
drwxrwxr-x 2 intern intern 4096 Aug 11 14:56 .
drwxrwxr-x 3 intern intern 4096 Aug 11 14:54 ..
-rw-rw-r-- 1 intern intern 467 Aug 11 14:56 protein.fasta
-rwxrwxr-x 1 intern intern 79551 Aug 11 14:56 sequence.fasta
```

```
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ chmod a+x protein.fasta
(base) intern@rosalind:~/Nabendu/Biocomputing_Assignment/BE623_labsession_1$ ls -al
total 92
drwxrwxr-x 2 intern intern 4096 Aug 11 14:56 .
drwxrwxr-x 3 intern intern 4096 Aug 11 14:54 ..
-rwxrwxr-x 1 intern intern 467 Aug 11 14:56 protein.fasta
-rwxrwxr-x 1 intern intern 79551 Aug 11 14:56 sequence.fasta
```