Question 1 Creating Files and Directories

```
andro@andro-VirtualBox:~/lab4$ touch docs/old/file1
andro@andro-VirtualBox:~/lab4$ touch docs/old/file2
andro@andro-VirtualBox:~/lab4$ touch docs/old/file3
andro@andro-VirtualBox:~/lab4$ touch songs/new/file1
andro@andro-VirtualBox:~/lab4$ touch songs/new/file2
andro@andro-VirtualBox:~/lab4$ touch songs/new/file3
andro@andro-VirtualBox:~/lab4$ touch songs/old/file1
andro@andro-VirtualBox:~/lab4$ touch songs/old/file2
andro@andro-VirtualBox:~/lab4$ touch songs/old/file3
andro@andro-VirtualBox:~/lab4$ ls -r
songs pets docs 2021-10-27_20-56.png
andro@andro-VirtualBox:~/lab4$ tree
  - 2021-10-27_20-56.png
   docs
          - file1
           - file2
           - file3
        old
           - file1
           - file2
           - file3
    pets
          - file1
           - file2
           file3
        old
           - file1
          - file11
          - file2
           - file3
           - file1
           - file2
           - file3
        old
           - file1
           - file2
          - file3
9 directories, 20 files
```

Question 2 Removing Files and directories

```
andro@andro-VirtualBox:/srv$ rm ~/lab4/pets/new/file1 ~/lab4/pets/new/file2 ~/lab4/pets/new/file3
andro@andro-VirtualBox:/srv$ rm -r ~/lab4/docs/
andro@andro-VirtualBox:/srv$ rm -r ~/lab4/songs/
andro@andro-VirtualBox:/srv$ rm -r ~/lab4/
andro@andro-VirtualBox:/srv$ rm -r ~/lab4/
andro@andro-VirtualBox:/srv$
```

Question 3 Moving Files and directories

```
andro@andro-VirtualBox:/srv$ cd
andro@andro-VirtualBox:~$ wget https://robertalberto.com/public/lab4.zip && unzip lab4.zip && rm lab4.zip
--2021-10-27 21:30:42-- https://robertalberto.com/public/lab4.zip
Resolving robertalberto.com (robertalberto.com)... 34.66.0.162, 2607:7700:0:28:0:1:2242:a2
Connecting to robertalberto.com (robertalberto.com)|34.66.0.162|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4209377 (4.0M) [application/zip]
Saving to: 'lab4.zip'
lab4.zip
                        429KB/s
                                                                                   in 21s
2021-10-27 21:31:03 (200 KB/s) - 'lab4.zip' saved [4209377/4209377]
Archive: lab4.zip
   creating: lab4/
 extracting: lab4/.hidden
  inflating: lab4/Pexels.mp4
inflating: lab4/Silence.mp3
  inflating: lab4/Videoleaf.mp4
  inflating: lab4/another.mp4
  inflating: lab4/audio.mp3
 extracting: lab4/fileA.txt
extracting: lab4/fileB.txt
extracting: lab4/filea.txt
extracting: lab4/image1.jpeg
 extracting: lab4/image2.jpeg
 extracting: lab4/image3.png
extracting: lab4/image4.png
 extracting: lab4/image5.gif
  inflating: lab4/song.mp3
 inflating: lab4/trivia.txt
extracting: lab4/triviaXYZ.txt
 extracting: lab4/vita.txt
   creating: lab4/wallpaperslab4/
  inflating: lab4/wallpaperslab4/cpu.jpeg
  inflating: lab4/wallpaperslab4/keyboard.jpeg
  inflating: lab4/wallpaperslab4/pc.jpeg
```

Question 4 Copying Files

```
androgandro-VirtualBox:-$ Is
cis106 Desktop Documents Downloads exa_0.9.0-4 amd64.deb lab4 Music Pictures Public snap Templates Videos website.html
androgandro-VirtualBox:-$ mkdir lab4-imps lab4-audio lab4-video lab4-docs
androgandro-VirtualBox:-$ mv lab4/audio.mp3 lab4/silence.mp3 lab4/song.mp3 lab4-audio/
mv: cannot stat 'lab4/silence.mp3': No such file or directory
androgandro-VirtualBox:-$ ls lab4-audio/
audio.mp3 song.mp3
androgandro-VirtualBox:-$ mv lab4/wallpaperslab4/ pictures/NewWallpapers/
mv: cannot move 'lab4/wallpaperslab4/' to 'pictures/NewWallpapers/
mv: cannot move 'lab4/wallpapers/
mv: cannot move 'lab4/wallpaperslab4/' to 'pictures/newWallpapers/
mv: cannot move 'lab4/wallpapers/
mv: cannot move 'lab4/wallpap
```

```
andro@andro-VirtualBox:~$ mv /home/user/lab4 /home/user/Lab-4
mv: cannot stat '/home/user/lab4': No such file or directory
andro@andro-VirtualBox:~$ mv /home/user/lab4/home/user/Lab-4
mv: missing destination file operand after '/home/user/lab4/home/user/Lab-4'
Try 'mv --help' for more information.
andro@andro-VirtualBox:~$ mv /home/user/lab4 /home/user/Lab-4
mv: cannot stat '/home/user/lab4': No such file or directory
andro@andro-VirtualBox:~$
```

4.2

Question1

andro@andro-VirtualBox:-/lab4/question1\$ ls
about-page.html books.txt bots.txt creation.txt download.js home_page.html html_page.html linux.txt main.css page.css pageload.js rook.rock.txt styles.css workload.js
andro@andro-VirtualBox:-/lab4/question1\$ ls *.txt
books.txt bots.txt creation.txt linux.txt rook.rock.txt
andro@andro-VirtualBox:-/lab4/question1\$

andro@andro-VirtualBox:-/lab4/question1\$

I

```
andro@andro-VirtualBox:~/lab4/question1$ ls -Xl
total 36
-rw-rw-r-- 1 andro andro
                            0 Oct 27 22:46 main.css
-rw-rw-r-- 1 andro andro
                            22 Oct 27 22:46 page.css
-rw-rw-r-- 1 andro andro
                            0 Oct 27 22:46 styles.css
rw-rw-r-- 1 andro andro 7575 Oct 27 22:46 about-page.html
-rw-rw-r-- 1 andro andro 12023 Oct 27 22:46 home page.html
-rw-rw-r-- 1 andro andro 8158 Oct 27 22:46 html page.html
-rw-rw-r-- 1 andro andro
                             0 Oct 27 22:46 download.js
-rw-rw-r-- 1 andro andro
                         810 Oct 27 22:46 pageload.js
rw-rw-r-- 1 andro andro
                            0 Oct 27 22:46 workload.js
-rw-rw-r-- 1 andro andro
                            0 Oct 27 22:46 books.txt
                          0 Oct 27 22:46 bots.txt
-rw-rw-r-- 1 andro andro
-rw-rw-r-- 1 andro andro
                            0 Oct 27 22:46 creation.txt
-rw-rw-r-- 1 andro andro
                             0 Oct 27 22:46 linux.txt
-rw-rw-r-- 1 andro andro
                             0 Oct 27 22:46 rook.rock.txt
andro@andro-VirtualBox:~/lab4/question1$ ls -Xl b*.txt
-rw-rw-r-- 1 andro andro 0 Oct 27 22:46 books.txt
-rw-rw-r-- 1 andro andro 0 Oct 27 22:46 bots.txt
andro@andro-VirtualBox:~/lab4/question1$
```

```
andro@andro-VirtualBox:~/lab4/question1$ ls *.css
main.css page.css styles.css
andro@andro-VirtualBox:~/lab4/question1$ ls *html
about-page.html home_page.html html_page.html
andro@andro-VirtualBox:~/lab4/question1$
```

andro@andro-VirtualBox:~/lab4/question1\$ ls -s *page*

```
andro@andro-VirtualBox:~/lab4/questioni$ ls
about-page.html books.txt bots.txt creation.txt download.js home_page.html html_page.html linux.txt main.css page.css pageload.js rook.rock.txt styles.css workload.js
andro@andro-VirtualBox:-/lab4/questioni$ nv -/lab4/questioni/-html web
my: cannot stat '/home/andro/lab4/questioni/-html: No such file or directory
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-html web
bash: /home/andro/lab4/questioni/-html: No such file or directory
andro@andro-VirtualBox:-/lab4/questioni/-html web
bash: /home/andro/lab4/questioni/-stw -/lab4/questioni/-html web
bash: /home/andro/lab4/questioni/-stw -/lab4/questioni/-html web
bash: /home/andro/lab4/questionis rv -/lab4/questioni/-html web
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-html web
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-html web
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-html
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-txs web
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-txs web
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-txs docs
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-tx docs
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-tx docs
andro@andro-VirtualBox:-/lab4/questionis rv -/lab4/questioni/-tx docs
andro@andro-VirtualBox:-/lab4/questionis lx docs
andro@andro-VirtualBox:-/lab4/questioni
```

Ouestion2

```
andro@andro-VirtualBox:~/lab4/question1$ cd ../question2
andro@andro-VirtualBox:~/lab4/question2$ mv b?d.xml xmlfiles/
andro@andro-VirtualBox:~/lab4/question2$ ls -Xl
total 4
drwxrwxr-x 2 andro andro 4096 Oct 28 13:00 xmlfiles
-rw-rw-r-- 1 andro andro
                            0 Oct 27 22:46 feat.json
-rw-rw-r-- 1 andro andro
                           0 Oct 27 22:46 feet.json
-rw-rw-r-- 1 andro andro 0 Oct 27 22:46 foot.json
-rw-rw-r-- 1 andro andro 0 Oct 27 22:46 casino.xml
-rw-rw-r-- 1 andro andro 0 Oct 27 22:46 cat.xml
-rw-rw-r-- 1 andro andro 0 Oct 27 22:46 cool.xml
andro@andro-VirtualBox:~/lab4/question2$ ls -X1
xmlfiles
feat.json
feet.json
foot.json
casino.xml
cat.xml
cool.xml
andro@andro-VirtualBox:~/lab4/question2$ ls .??*
.hiddenfileA.log .hiddenfileB.log .hiddenfileC.log
                                                        .hiddenfileD.loc
andro@andro-VirtualBox:~/lab4/question2$ ls *.????
feat.json feet.json foot.json
andro@andro-VirtualBox:~/lab4/question2$ ls *f??t
ls: cannot access '*f??t': No such file or directory
andro@andro-VirtualBox:~/lab4/question2$ ls *f??t*
feat.json feet.json foot.json
andro@andro-VirtualBox:~/lab4/question2$
```

```
andro@andro-VirtualBox:~/lab4/question2$ cd ../question3
        andro@andro-VirtualBox:~/lab4/question3$ ls -A [a-z]*.py
        drill.py
        andro@andro-VirtualBox:~/lab4/question3$ ls -A .[a-z]*.py
        .app.pv
                 .main.py
        andro@andro-VirtualBox:~/lab4/question3$ ls [A-Z][a-z]*[0-9].*
        Main1.pv
        andro@andro-VirtualBox:~/lab4/question3$ ls [a-k]*.??
        drill.pv kcc.rb
        andro@andro-VirtualBox:~/lab4/question3$ ls [!A-Z]*[?0-9].*
        ls: cannot access '[!A-Z]*[?0-9].*': No such file or directory
        andro@andro-VirtualBox:~/lab4/question3$ ls [!A-Z]*[!0-9].*
        drill.pv kcc.rb
        andro@andro-VirtualBox:~/lab4/question3$
Ouestion 3
```

Question 4

```
andro@andro-VirtualBox:~/lab4/question3$ cd ../question4
andro@andro-VirtualBox:~/lab4/question4$ mkdir -p wallpapers/{cars,ocean}/{1080p,2k,4k}
andro@andro-VirtualBox:~/lab4/question4$ tree wallpapers
    ____ 4k
    └─ 4k
8 directories, 0 files
andro@andro-VirtualBox:~/lab4/question4$ mkdir -p assests/{imgs,videos}/{large,small}/source
andro@andro-VirtualBox:~/lab4/question4$ tree assests
        large source
          source
        └─ source
10 directories, 0 files
andro@andro-VirtualBox:~/lab4/question4$ mkdir -p docs/{books,research}/{his,ma,sci,soc}
andro@andro-VirtualBox:~/lab4/question4$ tree docs
```

Ouestion 5



