Create in one command the directories ~/dir1/dir2/dir3 (dir3 is a subdirectory from dir2, and dir2 is a subdirectory from dir1)

```
amber@DESKTOP-21ETFMM:~$ mkdir -p dir1/dir2/dir3
amber@DESKTOP-21ETFMM:~$ __
```

Download some images from the Internet by linux commands

Display the last 5 commands you typed.

```
amber@DESKTOP-21ETFMM:~$ history 5
31 clear
32 wget https://www.w3schools.com/html/pic_trulli.jpg
33 clear
34 wget https://www.w3schools.com/html/img_chania.jpg
35 history 5
```

8. Create the following files : file1 file10

file11

file2

file2

file3

file33

fileAB

filea

fileA

fileAAA

file(

file 2

A. List (with Is) all files starting with file

```
@DESKTOP-21ETFMM:~/assignment$ ls file*
2' 'file(' file1 file10 file11 file2 file3 file33 fileA fileAAA fileAB filea
@DESKTOP-21ETFMM:~/assignment$ _
```

B. List (with Is) all files starting with file and ending in a number

```
amber@DESKTOP-21ETFMM:~/assignment$ ls file*[0-9]*
'file 2' file1 file10 file11 file2 file3 file33
amber@DESKTOP-21ETFMM:~/assignment$ __
```

C. List (with Is) all files starting with File and having a digit as the fifth character.

```
amber@DESKTOP-21ETFMM:~/assignment$ ls File[0-9]**
ls: cannot access 'File[0-9]**': No such file or directory
amber@DESKTOP-21ETFMM:~/assignment$ _
```

D. List (with Is) all files that have exactly five characters.

```
amber@DESKTOP-21ETFMM:~/assignment$ ls ?????
'file(' file1 file2 file3 fileA filea
```

E. List all files that do not start with the letter F.

```
amber@DESKTOP-21ETFMM:~/assignment$ ls [!F]*
'file 2' file1 file11 file3 fileA fileAB
'file(' file10 file2 file33 fileAAA filea
```

9. Make a list of all filenames in /etc that contain the string conf in their filename

```
amber@DESKTOP-21ETFMM:~$ find /etc/*conf* -maxdepth 0 -type f
```

 Make a sorted list of all files in /etc that contain the case insensitive string conf in their filename.

amber@DESKTOP-21ETFMM:~\$ find /etc -maxdepth 1 -type f -iname "*COnf*" | sort

Display the calendar

Translate all lowercase to uppercase in a file

amber@DESKTOP-21ETFMM:~\$ tr 'A-Z' 'a-z' < test.txt

13. command to remove duplicates from a file

amber@DESKTOP-21ETFMM:~\$ sort demo.txt | uniq

14. command to count the number of files in the current directory

amber@DESKTOP-21ETFMM:~\$ ls -l | wc -l

 Recursively set read, write, and execute permissions to the file owner and no permissions for all other users on a given directory.

amber@DESKTOP-21ETFMM:~\$ chmod -R 700 demo.txt

 Change the file permission of a file to read-only to the user and remove it for groups and others.

amber@DESKTOP-21ETFMM:~\$ chmod 400 test.txt

Create a text file with some content in it, and also create a symbolic link

amber@DESKTOP-21ETFMM:~\$ touch linkdemo.txt;ln -s linkdemo.txt link.txt

Command to show the contents of the file in hexadecimal bytes.

amber@DESKTOP-21ETFMM:~\$ od test.txt

 Create the given directories in one command (dir2, dir3, dir5 is a subdirectory of dir1 and dir4 is a subdirectory of dir3)

```
dir1
|_ dir2
|_ dir3
| |_dir4
|_dir5
```

Display the first 10 commands from your history of commands.

amber@DESKTOP-21ETFMM:~\$ history | head

Print the contents of the file in reverse order

amber@DESKTOP-21ETFMM:~\$ tac demo.txt

Linux commands to restart and shutdown

To restart

amber@DESKTOP-21ETFMM:~\$ sudo init 6

To shutdown

amber@DESKTOP-21ETFMM:~\$ sudo init 0_