Practice Tasks for Basic Commands, Pipe, And and xargs

1. Create a new directory named as d and copy all text files from abc directory into d


```
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ mkdir d
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ mkdir abc
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ ls
'AMMAD AMIR cv.docx'      'New Text Document.txt'    d                      script.sh
 Basics-of-R-Studio.pdf   'PF task SCs'              desktop.ini            vlc-3.0.11-win64.exe
 Dev-C++.lnk               Test-Repo                 f2                     'website material'
'Educational Documents'   'Visual Studio Code.lnk'   finalCode.r
 Flask                     abc                        pain_rating_julio.csv
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ cd abc
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ tocuh 1.txt
Command 'tocuh' not found, did you mean:
  command 'touch' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ touch 1.txt
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ touch 2.txt
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ touch 3.txt
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ cd ..
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ cp abc/*.txt d/
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ cd d
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/d$ ls
1.txt  2.txt  3.txt
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/d$
```

2. Create a new directory named as p and create empty py files in it with exactly same names as py files in abc


```
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/d$ cd ..
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ ls
'AMMAD AMIR cv.docx'      'Educational Documents'   'PF task SCs'              abc           f2                     'practice exercise 1 task 1.PNG'  'website material'
 Basics-of-R-Studio.pdf    Flask                     Test-Repo                 d             finalCode.r            script.sh
 Dev-C++.lnk              'New Text Document.txt'   'Visual Studio Code.lnk'   desktop.ini   pain_rating_julio.csv  vlc-3.0.11-win64.exe
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ mkdir p
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ cd p
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/p$ touch 1.py
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/p$ touch 2.py
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/p$ touch 3.py
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/p$ ls
1.py  2.py  3.py
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/p$
```

3. Count all jpeg files in directory abc

```
ammad@DESKTOP-1NQPSNR: /mnt/c/Users/S S/Desktop
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ cd abc
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ touch a.jpeg
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ touch b.jpeg
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ touch c.jpeg
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ touch d.jpeg
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ ls
1.txt  2.txt  3.txt  a.jpeg  b.jpeg  b.jpegclear  c.jpeg  d.jpeg
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ ls -1 abc/*.jpeg | wc -l
ls: cannot access 'abc/*.jpeg': No such file or directory
0
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/abc$ cd ..
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ ls -1 abc/*.jpeg | wc -l
4
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$
```

4. Create a directory labels and create the txt files with exactly the same names as jepg in abc directory.

```
ammad@DESKTOP-1NQPSNR: /mnt/c/Users/S S/Desktop/labels                                    —    □    ✕
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ mkdir labels
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ for f in abc/*.jpeg; do touch "labels/$(basename "$f" .jpeg).txt"; done
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop$ cd labels
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/labels$ ls
a.txt  b.txt  c.txt  d.txt
ammad@DESKTOP-1NQPSNR:/mnt/c/Users/S S/Desktop/labels$
```