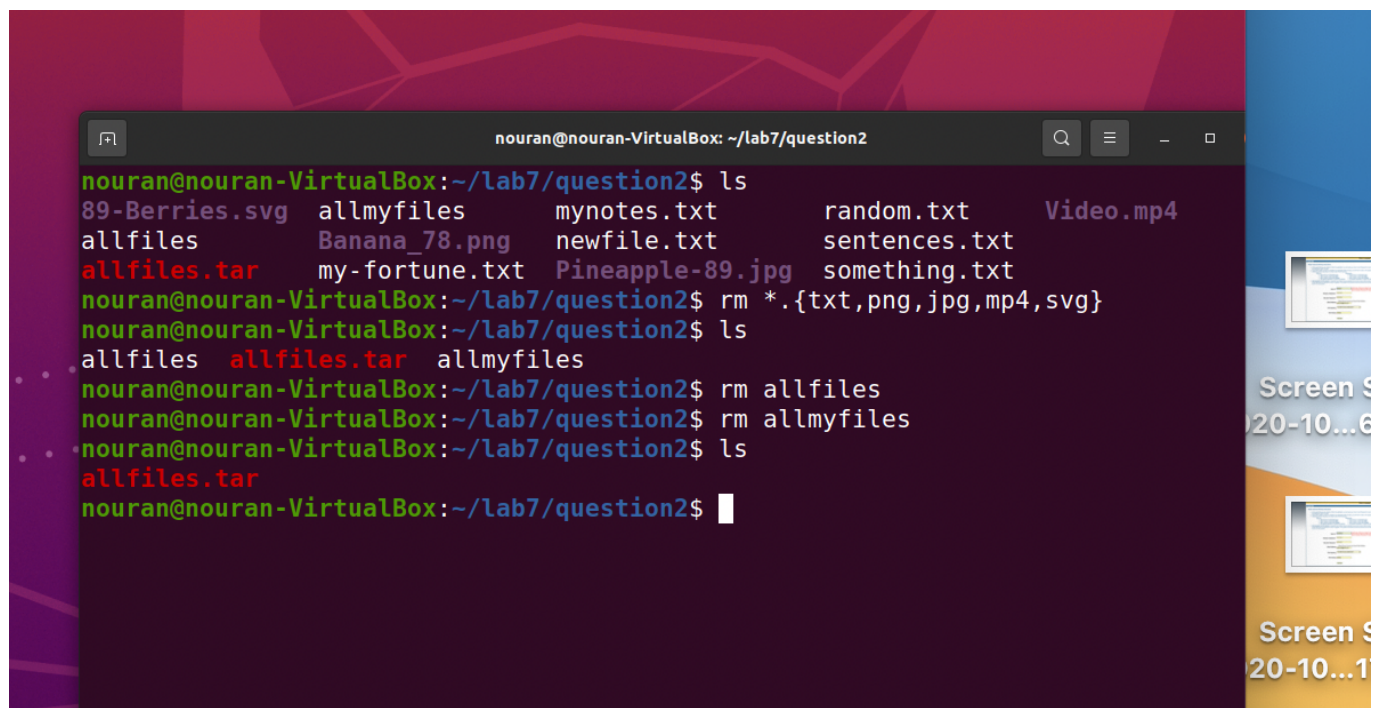# question1


```
nouran@nouran-VirtualBox:~/lab7/question1$ tar cf allfiles.tar *.txt *[0-9]*.{jp
g.png.svg} Video.mp4
tar: *[0-9]*.{jpg.png.svg}: Cannot stat: No such file or directory
tar: Exiting with failure status due to previous errors
nouran@nouran-VirtualBox:~/lab7/question1$ tar cf allfiles.tar *.txt *[0-9]*.{jp
g,png,svg} Video.mp4
nouran@nouran-VirtualBox:~/lab7/question1$ tar -tf allfiles.tar
my-fortune.txt
mynotes.txt
sentences.txt
something.txt
Pineapple-89.jpg
Banana_78.png
89-Berries.svg
Video.mp4
nouran@nouran-VirtualBox:~/lab7/question1$
```

```
nouran@nouran-VirtualBox:~/lab7/question1$ lorem > random.txt
nouran@nouran-VirtualBox:~/lab7/question1$ cat random.txt
Natus dolor corporis earum est explicabo vero voluptatem. Debitis quo est nam unde
iusto quasi explicabo iusto. Inventore dolor cum dolorum dolores deserunt.nouran@
nouran-VirtualBox:~/lab7/question1$ vim newfile.txt
nouran@nouran-VirtualBox:~/lab7/question1$ vim newfile.txt
nouran@nouran-VirtualBox:~/lab7/question1$ tar rf allfiles.tar newfile.txt
nouran@nouran-VirtualBox:~/lab7/question1$ tar tf allfiles.tar
my-fortune.txt
mynotes.txt
sentences.txt
something.txt
Pineapple-89.jpg
Banana_78.png
89-Berries.svg
Video.mp4
newfile.txt
nouran@nouran-VirtualBox:~/lab7/question1$
```
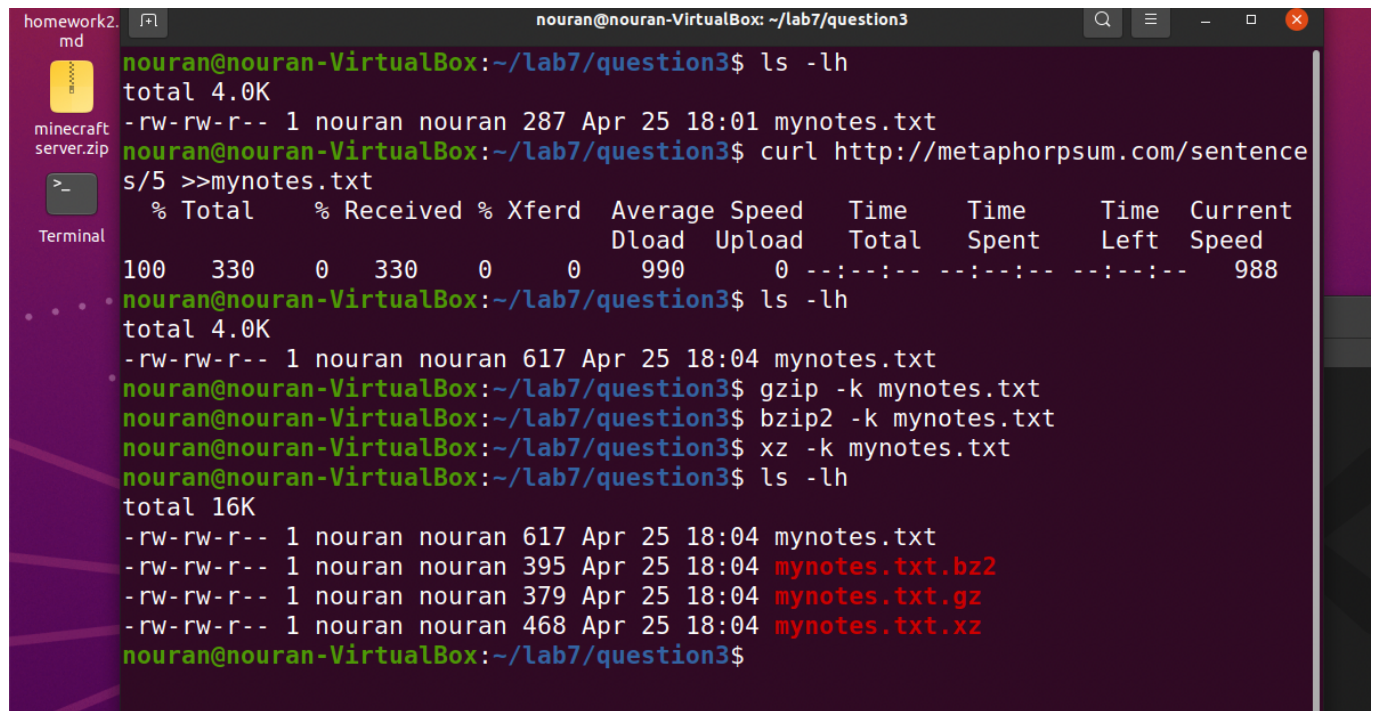
#question2

```
nouran@nouran-VirtualBox:~/lab7/question1$ mv allfiles.tar ../question2/
nouran@nouran-VirtualBox:~/lab7/question1$ cd ../question2/
nouran@nouran-VirtualBox:~/lab7/question2$ ls
allfiles.tar
nouran@nouran-VirtualBox:~/lab7/question2$ cpio -iv < allfiles.tar
my-fortune.txt
mynotes.txt
sentences.txt
something.txt
Pineapple-89.jpg
Banana_78.png
89-Berries.svg
Video.mp4
newfile.txt
9966 blocks
nouran@nouran-VirtualBox:~/lab7/question2$ ls
89-Berries.svg   Banana_78.png    mynotes.txt    Pineapple-89.jpg   something.txt
allfiles.tar     my-fortune.txt   newfile.txt    sentences.txt      Video.mp4
nouran@nouran-VirtualBox:~/lab7/question2$ rm *.tar
nouran@nouran-VirtualBox:~/lab7/question2$ ls
89-Berries.svg  my-fortune.txt  newfile.txt       sentences.txt  Video.mp4
Banana_78.png   mynotes.txt     Pineapple-89.jpg  something.txt
```

```
nouran@nouran-VirtualBox:~/lab7/question2$ ls | cpio -ovH tar -F allmyfiles.tar
89-Berries.svg
allmyfiles.cpio
cpio: File allmyfiles.tar grew, 6803456 new bytes not copied
allmyfiles.tar
Banana_78.png
my-fortune.txt
mynotes.txt
newfile.txt
Pineapple-89.jpg
sentences.txt
something.txt
Video.mp4
34874 blocks
nouran@nouran-VirtualBox:~/lab7/question2$ ls
89-Berries.svg   Banana_78.png    newfile.txt       something.txt
allmyfiles.cpio  my-fortune.txt   Pineapple-89.jpg  Video.mp4
allmyfiles.tar   mynotes.txt      sentences.txt
nouran@nouran-VirtualBox:~/lab7/question2$ 
```

```
nouran@nouran-VirtualBox: ~/lab7/question2
nouran@nouran-VirtualBox:~/lab7/question2$ ls
89-Berries.svg   allmyfiles       mynotes.txt       random.txt      Video.mp4
allfiles         Banana_78.png    newfile.txt       sentences.txt
allfiles.tar     my-fortune.txt   Pineapple-89.jpg  something.txt
nouran@nouran-VirtualBox:~/lab7/question2$ rm *.{txt,png,jpg,mp4,svg}
nouran@nouran-VirtualBox:~/lab7/question2$ ls
allfiles  allfiles.tar  allmyfiles
nouran@nouran-VirtualBox:~/lab7/question2$ rm allfiles
nouran@nouran-VirtualBox:~/lab7/question2$ rm allmyfiles
nouran@nouran-VirtualBox:~/lab7/question2$ ls
allfiles.tar
nouran@nouran-VirtualBox:~/lab7/question2$ 
```

```
       x
nouran@nouran-VirtualBox:~/lab7/question2$ cpio -idv < allfiles.tar
cpio: my-fortune.txt not created: newer or same age version exists
```

question 3

```
nouran@nouran-VirtualBox:~/lab7/question3$ ls -lh
total 4.0K
-rw-rw-r-- 1 nouran nouran 287 Apr 25 18:01 mynotes.txt
nouran@nouran-VirtualBox:~/lab7/question3$ curl http://metaphorpsum.com/sentence
s/5 >>mynotes.txt
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   330    0   330    0     0    990      0 --:--:-- --:--:-- --:--:--   988
nouran@nouran-VirtualBox:~/lab7/question3$ ls -lh
total 4.0K
-rw-rw-r-- 1 nouran nouran 617 Apr 25 18:04 mynotes.txt
nouran@nouran-VirtualBox:~/lab7/question3$ gzip -k mynotes.txt
nouran@nouran-VirtualBox:~/lab7/question3$ bzip2 -k mynotes.txt
nouran@nouran-VirtualBox:~/lab7/question3$ xz -k mynotes.txt
nouran@nouran-VirtualBox:~/lab7/question3$ ls -lh
total 16K
-rw-rw-r-- 1 nouran nouran 617 Apr 25 18:04 mynotes.txt
-rw-rw-r-- 1 nouran nouran 395 Apr 25 18:04 mynotes.txt.bz2
-rw-rw-r-- 1 nouran nouran 379 Apr 25 18:04 mynotes.txt.gz
-rw-rw-r-- 1 nouran nouran 468 Apr 25 18:04 mynotes.txt.xz
nouran@nouran-VirtualBox:~/lab7/question3$
```

#question 4

```
nouran@nouran-VirtualBox: ~/lab7/question4

nouran@nouran-VirtualBox:~/lab7/question4$ gzip -dkc < ../question3/mynotes.txt.
gz > mynotes.txt
nouran@nouran-VirtualBox:~/lab7/question4$ ls
mynotes.txt
nouran@nouran-VirtualBox:~/lab7/question4$ mv mynotes.txt mynotes2.txt
nouran@nouran-VirtualBox:~/lab7/question4$ bzip2 -dkc < ../question3/mynotes.bz2
 > mynotes.txt
bash: ../question3/mynotes.bz2: No such file or directory
nouran@nouran-VirtualBox:~/lab7/question4$ ls
mynotes2.txt
nouran@nouran-VirtualBox:~/lab7/question4$ mv mynotes2.txt
mv: missing destination file operand after 'mynotes2.txt'
Try 'mv --help' for more information.
nouran@nouran-VirtualBox:~/lab7/question4$ mv mynotes2.txt mynotes3.tx
nouran@nouran-VirtualBox:~/lab7/question4$ xz -dkc ../question3/mynotes.txt.xz >
mynotes3.txt
nouran@nouran-VirtualBox:~/lab7/question4$ ls
mynotes3.tx  mynotes3.txt
nouran@nouran-VirtualBox:~/lab7/question4$
```

```
nouran@nouran-VirtualBox:~/lab7/question4$ xz -dkc ../question3/mynotes.txt.xz >mynotes3.txt
nouran@nouran-VirtualBox:~/lab7/question4$ ls
mynotes3.tx  mynotes3.txt
nouran@nouran-VirtualBox:~/lab7/question4$ zip allmyfiles.zip mynotes3.tx mynotes3.txt
  adding: mynotes3.tx (deflated 43%)
  adding: mynotes3.txt (deflated 43%)
nouran@nouran-VirtualBox:~/lab7/question4$ 7z a allmyfiles.zip mynotes3.tx mynotes3.txt

7-Zip [64] 16.02 : Copyright (c) 1999-2016 Igor Pavlov : 2016-05-21
p7zip Version 16.02 (locale=en_US.UTF-8,Utf16=on,HugeFiles=on,64 bits,2 CPUs Intel(R) Core(T
M) i5-1038NG7 CPU @ 2.00GHz (706E5),ASM,AES-NI)

Open archive: allmyfiles.zip
--
Path = allmyfiles.zip
Type = zip
Physical Size = 1022

Scanning the drive:
2 files, 1234 bytes (2 KiB)

Updating archive: allmyfiles.zip

Items to compress: 2


Files read from disk: 2
Archive size: 984 bytes (1 KiB)
Everything is Ok
nouran@nouran-VirtualBox:~/lab7/question4$ ls -lh
total 12K
-rw-rw-r-- 1 nouran nouran 984 Apr 25 18:56 allmyfiles.zip
-rw-rw-r-- 1 nouran nouran 617 Apr 25 18:22 mynotes3.tx
-rw-rw-r-- 1 nouran nouran 617 Apr 25 18:26 mynotes3.txt
nouran@nouran-VirtualBox:~/lab7/question4$
```