#Question 1

```
arlind@linux:~/lab7/question1$ tar cf allfiles.tar *.txt *[0-9]*.{jpg,png,svg} Video.mp4
arlind@linux:~/lab7/question1$
```

```
arlind@linux:~/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
arlind@linux:~/lab7/question1$
```

```
arlind@linux:~/lab7/question1$ lorem > randomtext.txt
arlind@linux:~/lab7/question1$ cat randomtext.txt
Iusto repudiandae est quas est minus. Et architecto saepe a quas sit delectus. Cum animi qui sit.arli
nd@linux:~/lab7/question1$
```

```
arlind@linux:~/lab7/question1$ tar cf allfiles.tar *randomtext.txt
arlind@linux:~/lab7/question1$
```

#Question 2

```
arlind@linux:~/lab7/question1$ mv allfiles.tar ../question2/
arlind@linux:~/lab7/question1$ cd ../question2
arlind@linux:~/lab7/question2$ cpio -iv < allfiles.tar
my-fortune.txt
mynotes.txt
randomtext.txt
sentences.txt
something.txt                                          2 / 5
Pineapple-89.jpg
Banana_78.png
89-Berries.svg
Video.mp4
9991 blocks
arlind@linux:~/lab7/question2$ ls
89-Berries.svg   Banana_78.png    mynotes.txt       randomtext.txt   something.txt
allfiles.tar     my-fortune.txt   Pineapple-89.jpg  sentences.txt    Video.mp4
arlind@linux:~/lab7/question2$ rm *.tar
arlind@linux:~/lab7/question2$ ls
89-Berries.svg   my-fortune.txt   Pineapple-89.jpg  sentences.txt    Video.mp4
Banana_78.png    mynotes.txt      randomtext.txt    something.txt
arlind@linux:~/lab7/question2$ ls | cpio -ov > allmyfiles.cpio
89-Berries.svg
cpio: File allmyfiles.cpio grew, 853504 new bytes not copied
allmyfiles.cpio
Banana_78.png
my-fortune.txt
mynotes.txt
Pineapple-89.jpg
randomtext.txt
sentences.txt
something.txt
Video.mp4
11644 blocks
arlind@linux:~/lab7/question2$ ls
89-Berries.svg   Banana_78.png    mynotes.txt       randomtext.txt   something.txt
allmyfiles.cpio  my-fortune.txt   Pineapple-89.jpg  sentences.txt    Video.mp4
arlind@linux:~/lab7/question2$ ls | cpio -ovH tar -F allmyfiles.tar
89-Berries.svg
allmyfiles.cpio
cpio: File allmyfiles.tar grew, 6816768 new bytes not copied
allmyfiles.tar
Banana_78.png
my-fortune.txt
mynotes.txt
Pineapple-89.jpg
randomtext.txt
sentences.txt
something.txt
Video.mp4
34951 blocks
arlind@linux:~/lab7/question2$ ls
89-Berries.svg   allmyfiles.tar   my-fortune.txt   Pineapple-89.jpg   sentences.txt   Video.mp4
allmyfiles.cpio  Banana_78.png    mynotes.txt      randomtext.txt     something.txt
arlind@linux:~/lab7/question2$
```

```
arlind@linux:~/lab7/question2$ rm *.{svg,cpio,png,txt,jpg}
arlind@linux:~/lab7/question2$ ls
allmyfiles.tar   Video.mp4
arlind@linux:~/lab7/question2$ rm *.mp4
arlind@linux:~/lab7/question2$ ls
allmyfiles.tar
arlind@linux:~/lab7/question2$ ▮
```

```
arlind@linux:~/lab7/question2$ cpio -idv < allmyfiles.tar
89-Berries.svg
allmyfiles.cpio
cpio: allmyfiles.tar not created: newer or same age version exists
allmyfiles.tar
Banana_78.png
my-fortune.txt
mynotes.txt
Pineapple-89.jpg
randomtext.txt
sentences.txt
something.txt
Video.mp4
34950 blocks
arlind@linux:~/lab7/question2$ ls
89-Berries.svg    allmyfiles.tar   my-fortune.txt   Pineapple-89.jpg   sentences.txt   Video.mp4
allmyfiles.cpio   Banana_78.png    mynotes.txt      randomtext.txt     something.txt
arlind@linux:~/lab7/question2$ ▯
```

#Question 3

```
arlind@linux:~/lab7/question3$ ls -lh
total 8.0K
-rw-rw-r-- 1 arlind arlind 6.6K Dec 12 14:27 mynotes.txt
```

```
arlind@linux:~/lab7/question3$ gzip -k mynotes.txt
arlind@linux:~/lab7/question3$ bzip2 -k mynotes.txt
arlind@linux:~/lab7/question3$ xz -k mynotes.txt
arlind@linux:~/lab7/question3$ ls -lh
total 20K
-rw-rw-r-- 1 arlind arlind 6.6K Dec 12 14:27 mynotes.txt
-rw-rw-r-- 1 arlind arlind 2.1K Dec 12 14:27 mynotes.txt.bz2
-rw-rw-r-- 1 arlind arlind 2.4K Dec 12 14:27 mynotes.txt.gz
-rw-rw-r-- 1 arlind arlind 2.4K Dec 12 14:27 mynotes.txt.xz
arlind@linux:~/lab7/question3$ ▮
```

#Question 4

```
arlind@linux:~/lab7/question3$ gzip -k mynotes.txt
arlind@linux:~/lab7/question3$ bzip2 -k mynotes.txt
arlind@linux:~/lab7/question3$ xz -k mynotes.txt
arlind@linux:~/lab7/question3$ ls -lh
total 20K
-rw-rw-r-- 1 arlind arlind 6.6K Dec 12 14:27 mynotes.txt
-rw-rw-r-- 1 arlind arlind 2.1K Dec 12 14:27 mynotes.txt.bz2
-rw-rw-r-- 1 arlind arlind 2.4K Dec 12 14:27 mynotes.txt.gz
-rw-rw-r-- 1 arlind arlind 2.4K Dec 12 14:27 mynotes.txt.xz
arlind@linux:~/lab7/question3$ ls
mynotes.txt  mynotes.txt.bz2  mynotes.txt.gz  mynotes.txt.xz
arlind@linux:~/lab7/question3$ cd ../question4/
arlind@linux:~/lab7/question4$ ls
arlind@linux:~/lab7/question4$ gzip -dkc < ../question3/mynotes.txt.gz > mynotes.txt
arlind@linux:~/lab7/question4$ ls
mynotes.txt
arlind@linux:~/lab7/question4$ mv mynotes.txt mynotes2.txt
arlind@linux:~/lab7/question4$ ls
mynotes2.txt
arlind@linux:~/lab7/question4$ bzip2 -dkc < ../question3/mynotes.txt.gz > mynotes.txt
bzip2: (stdin) is not a bzip2 file.
arlind@linux:~/lab7/question4$ bzip2 -dkc < ../question3/mynotes.txt.bz2 > mynotes.txt
arlind@linux:~/lab7/question4$ ls
mynotes2.txt  mynotes.txt
arlind@linux:~/lab7/question4$ mv mynotes.txt mynotes3.txt
arlind@linux:~/lab7/question4$ ls
mynotes2.txt  mynotes3.txt
arlind@linux:~/lab7/question4$ xz -dkc < ../question3/mynotes.txt.xz > mynotes.txt
arlind@linux:~/lab7/question4$ ls
mynotes2.txt  mynotes3.txt  mynotes.txt
arlind@linux:~/lab7/question4$ zip mynotes.zip mynotes.txt mynotes2.txt mynotes3.txt
  adding: mynotes.txt (deflated 64%)
  adding: mynotes2.txt (deflated 64%)
  adding: mynotes3.txt (deflated 64%)
arlind@linux:~/lab7/question4$ ls
mynotes2.txt  mynotes3.txt  mynotes.txt  mynotes.zip
arlind@linux:~/lab7/question4$ 
```

```
arlind@linux:~/lab7/question4$ 7z a mynotes.7z mynotes.txt mynotes2.txt 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,12 CPUs AMD Ryzen 5 5500U with
Radeon Graphics          (860F81),ASM,AES-NI)

Scanning the drive:
3 files, 20142 bytes (20 KiB)

Creating archive: mynotes.7z                                    5 / 5

Items to compress: 3


Files read from disk: 3
Archive size: 2601 bytes (3 KiB)
Everything is Ok
arlind@linux:~/lab7/question4$ ls
mynotes2.txt  mynotes3.txt  mynotes.7z  mynotes.txt  mynotes.zip
arlind@linux:~/lab7/question4$
```

```
Processing triggers for man-db (2.9.1-1) ...
arlind@linux:~/lab7/question4$ rar a mynotes.rar mynotes.txt mynotes2.txt mynotes3.txt

RAR 5.50   Copyright (c) 1993-2017 Alexander Roshal   11 Aug 2017
Trial version              Type 'rar -?' for help

Evaluation copy. Please register.

Creating archive mynotes.rar

Adding    mynotes.txt                                                       OK
Adding    mynotes2.txt                                                      OK
Adding    mynotes3.txt                                                      OK
Done
arlind@linux:~/lab7/question4$ ls -lh
total 44K
-rw-rw-r-- 1 arlind arlind 6.6K Dec 12 14:32 mynotes2.txt
-rw-rw-r-- 1 arlind arlind 6.6K Dec 12 14:33 mynotes3.txt
-rw-rw-r-- 1 arlind arlind 2.6K Dec 12 14:36 mynotes.7z
-rw-rw-r-- 1 arlind arlind 7.3K Dec 12 14:40 mynotes.rar
-rw-rw-r-- 1 arlind arlind 6.6K Dec 12 14:34 mynotes.txt
-rw-rw-r-- 1 arlind arlind 7.5K Dec 12 14:35 mynotes.zip
arlind@linux:~/lab7/question4$
```