

Question1

```
nova@nova-VirtualBox: ~/lab7/question1
nova@nova-VirtualBox:~/lab7$ ls
question1 question2 question3 question4
nova@nova-VirtualBox:~/lab7$ cd question1
nova@nova-VirtualBox:~/lab7/question1$ ls
89-Berries.svg  Mangoes.svg  mynotes.txt  Pineapple-89.jpg  something.txt
Banana_78.png  my-fortune.txt  Papaya.svg  sentences.txt  Video.mp4
nova@nova-VirtualBox:~/lab7/question1$ tar cf allfiles.tar *.txt *[0-9]*.{jpg,png,svg}
Video.mp4
nova@nova-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
nova@nova-VirtualBox:~/lab7/question1$ lorem > randomtext.txt
nova@nova-VirtualBox:~/lab7/question1$ cat randomtext.txt
Omnis voluptatem debitis et culpa sed natus. Sit mollitia illo eum fugiat. Et quaerat
est dolores rem.nova@nova-VirtualBox:~/lab7/question1$ curl http://metaphorpsum.com/
sentences/5
Their polyester was, in this moment, a limpid drake. Fiercer siberians show us how ba
boons can be tornadoes. In ancient times an improvement is a caption's denim. Authors
often misinterpret the narcissus as a brakeless example, when in actuality it feels
```

```
nova@nova-VirtualBox: ~/lab7/question2
mynotes.txt
sentences.txt
something.txt
Pineapple-89.jpg
Banana_78.png
89-Berries.svg
Video.mp4
9979 blocks
nova@nova-VirtualBox:~/lab7/question2$ cd ..
nova@nova-VirtualBox:~/lab7$ ls
question1 question2 question3 question4
nova@nova-VirtualBox:~/lab7$ cd question1/
nova@nova-VirtualBox:~/lab7/question1$ ^C
nova@nova-VirtualBox:~/lab7/question1$ tar -cvf allfiles.tar ./randomtext.txt/
./randomtext.txt
nova@nova-VirtualBox:~/lab7/question1$ tar -tf allfiles.tar
./randomtext.txt
nova@nova-VirtualBox:~/lab7/question1$ mv allfiles.tar ../question2/
nova@nova-VirtualBox:~/lab7/question1$ cd ../question2/
nova@nova-VirtualBox:~/lab7/question2$ cpio -iv < allfiles.tar
./randomtext.txt
3 blocks
nova@nova-VirtualBox:~/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
```

Question2


```

nova@nova-VirtualBox:~/lab7/question2$ cpio -iv < allfiles.tar
my-fortune.txt
mynotes.txt
randomtext.txt
sentences.txt
something.txt
Pineapple-89.jpg
Banana_78.png
89-Berries.svg
Video.mp4
9982 blocks
nova@nova-VirtualBox:~/lab7/question2$ rm *.tar
nova@nova-VirtualBox:~/lab7/question2$ ls
89-Berries.svg  my-fortune.txt  randomtext.txt  Video.mp4
allmyfiles.cpio mynotes.txt     sentences.txt
Banana_78.png  Pineapple-89.jpg something.txt
nova@nova-VirtualBox:~/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
11635 blocks
nova@nova-VirtualBox:~/lab7/question2$

```

```

nova@nova-VirtualBox: ~/lab7/question2
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
11635 blocks
nova@nova-VirtualBox:~/lab7/question2$ ls | cpio -ovH tar -F > allmyfiles.tar
cpio: option requires an argument -- 'F'
Try 'cpio --help' or 'cpio --usage' for more information.
nova@nova-VirtualBox:~/lab7/question2$ ls | cpio -ovH tar -F allmyfiles.tar
89-Berries.svg
allmyfiles.cpio
cpio: File allmyfiles.tar grew, 6812160 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
34924 blocks

```

```
nova@nova-VirtualBox:~/lab7/question2$ rm *.txt *.{jpg,png,cpio,svg} Video.mp4
nova@nova-VirtualBox:~/lab7/question2$ ls
allmyfiles.tar
nova@nova-VirtualBox:~/lab7/question2$ ls | cpio -ovH tar -F allmyfiles.tar
allmyfiles.tar
3 blocks
nova@nova-VirtualBox:~/lab7/question2$
```

Question3

```
nova@nova-VirtualBox:~/lab7/question2$ cd ../question3/
nova@nova-VirtualBox:~/lab7/question3$ ls
nova@nova-VirtualBox:~/lab7/question3$ lorem > mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ ls
mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ ls -lh
total 4.0K
-rw-rw-r-- 1 nova nova 133 Dec 18 13:34 mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ curl http://metaphorpsum.com/sentences/5
>> mynotes.txt
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100  217      0  217    0     0   1172      0 --:--:-- --:--:-- --:--:--  1166
nova@nova-VirtualBox:~/lab7/question3$ ls -lh
total 4.0K
-rw-rw-r-- 1 nova nova 350 Dec 18 13:44 mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ curl http://metaphorpsum.com/sentences/10
0 >> mynotes.txt
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 6473      0 6473    0     0 35565      0 --:--:-- --:--:-- --:--:-- 35565
nova@nova-VirtualBox:~/lab7/question3$ ls -lh
total 8.0K
-rw-rw-r-- 1 nova nova 6.7K Dec 18 13:45 mynotes.txt
```

Question4

```
-rw-rw-r-- 1 nova nova 6.7K Dec 18 13:45 mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ gzip -k mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ bzip -k mynotes.txt
```

Command 'bzip' not found, but there are 21 similar ones.

```
nova@nova-VirtualBox:~/lab7/question3$ bzip2 -k mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ bzip2 -k mynotes.txt
bzip2: Output file mynotes.txt.bz2 already exists.
nova@nova-VirtualBox:~/lab7/question3$ xz -k mynotes.txt
nova@nova-VirtualBox:~/lab7/question3$ ls -lh
total 20K
```

```
-rw-rw-r-- 1 nova nova 6.7K Dec 18 13:45 mynotes.txt
-rw-rw-r-- 1 nova nova 2.7K Dec 18 13:45 mynotes.txt.bz2
-rw-rw-r-- 1 nova nova 2.7K Dec 18 13:45 mynotes.txt.gz
-rw-rw-r-- 1 nova nova 2.7K Dec 18 13:45 mynotes.txt.xz
nova@nova-VirtualBox:~/lab7/question3$
```

```
nova@nova-VirtualBox:~/lab7/question4$ 7z a mynotes.7z mynotes.txt mynotes2.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
i7-1065G7 CPU @ 1.30GHz (706E5),ASM,AES-NI)

Scanning the drive:
2 files, 13646 bytes (14 KiB)

Creating archive: mynotes.7z

Items to compress: 2

Files read from disk: 2
Archive size: 2859 bytes (3 KiB)
Everything is Ok

```
nova@nova-VirtualBox:~/lab7/question4$ rar a archive.rar mynotes.txt mynotes2.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 archive.rar

Adding	mynotes.txt	OK
Adding	mynotes2.txt	OK
Done		