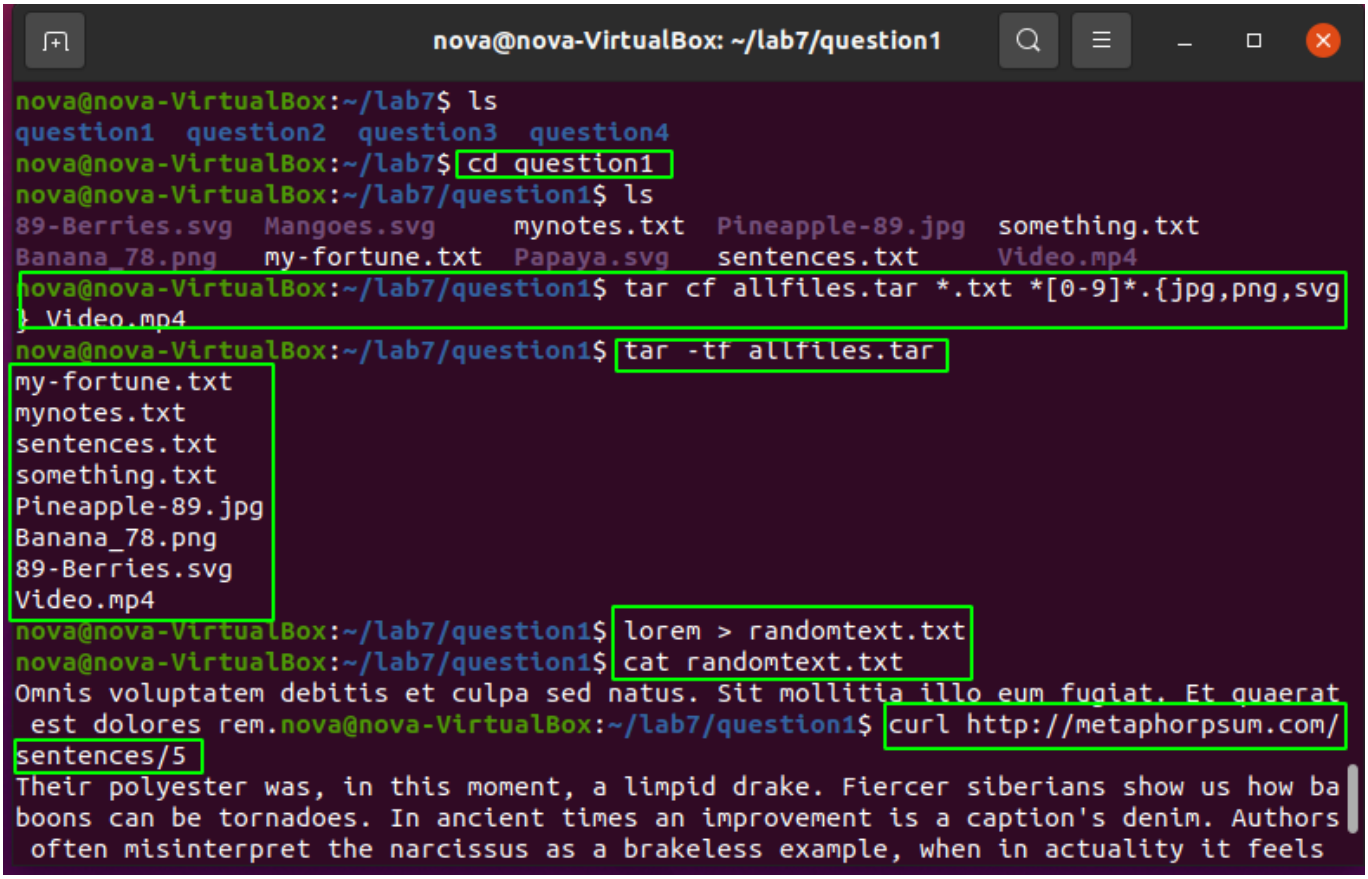
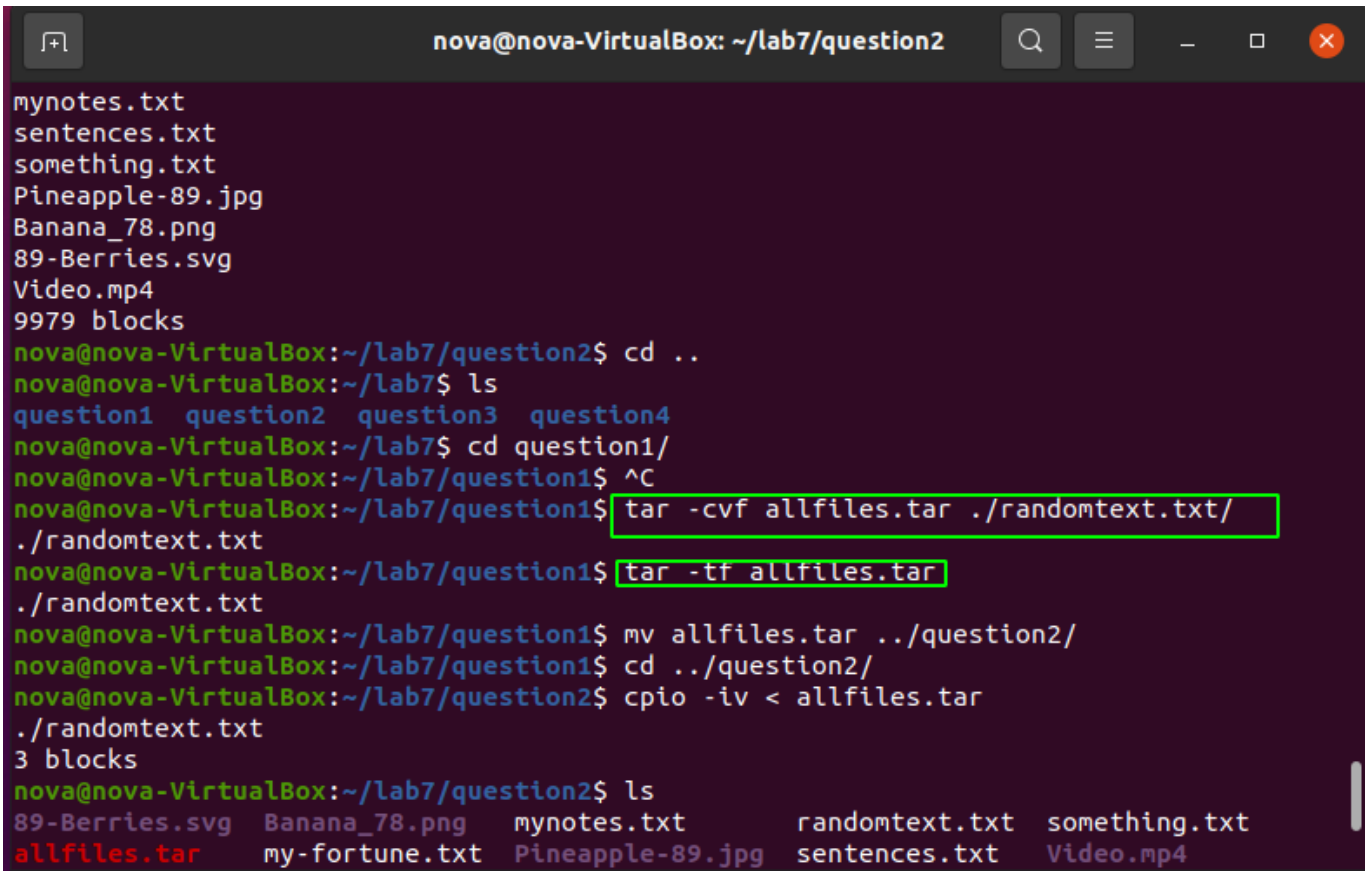
Question1





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$
```

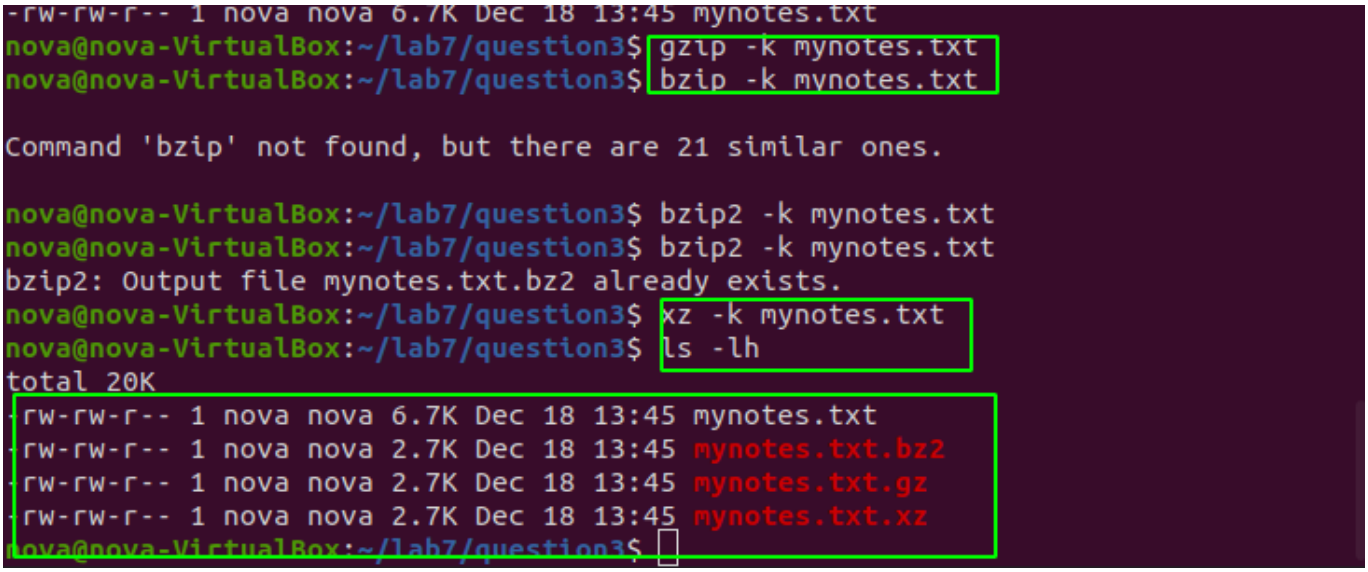
```
nova@nova-VirtualBox: ~/lab7/question2
cpio: File allmyfiles.cpio grew, 853504 new bytes not copied
allmyfiles.cpio
Banana_78.png
my-fortune.txt
mynotes.txt
Pineapple-89.jpg
randomtext.txt
sentences.txt
something.txt
Video.mp4
11635 blocks
nova@nova-VirtualBox:~/lab7/question2$ ls | cpio -ovH tar -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
```

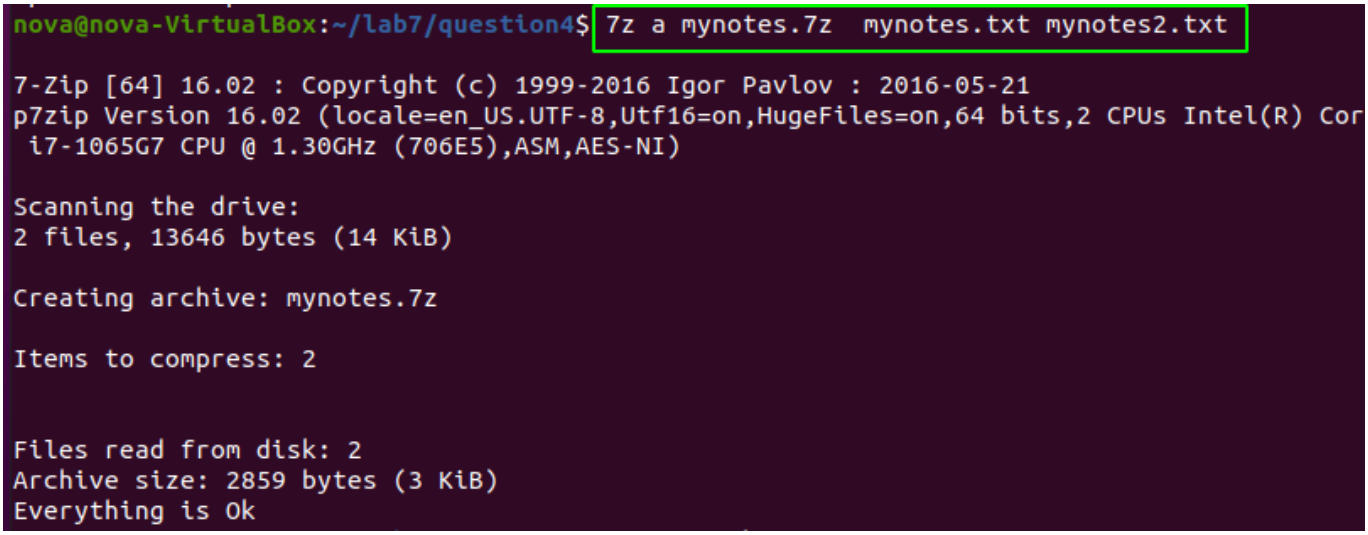
```
nova@nova-VirtualBox:~/lab7/question2$ rm *.txt *.{jpg,png,cpio,svg} Video.mp4
nova@nova-VirtualBox:~/lab7/question2$ ls
allmyfiles.tar
nova@nova-VirtualBox:~/lab7/question2$ ls | cpio -ovH tar -F  allmyfiles.tar
allmyfiles.tar
3 blocks
nova@nova-VirtualBox:~/lab7/question2$
```

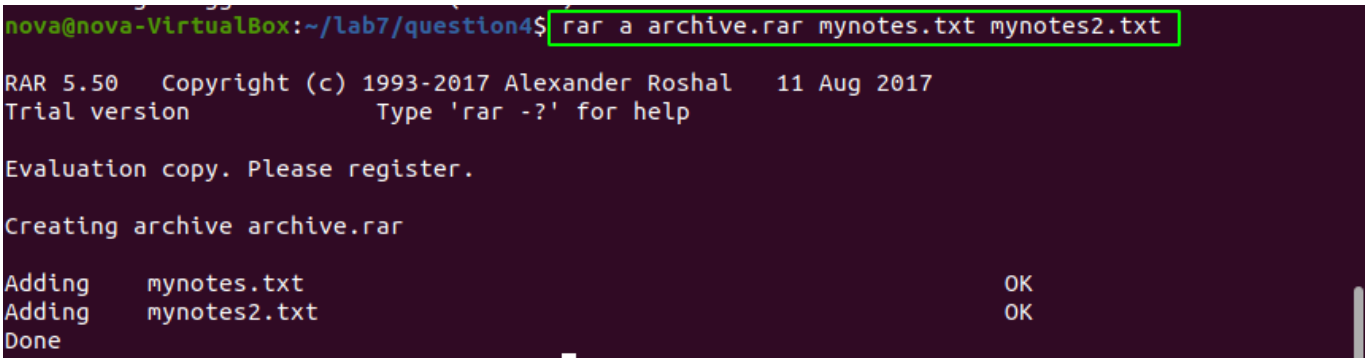
Question3

```
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/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) Cor
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