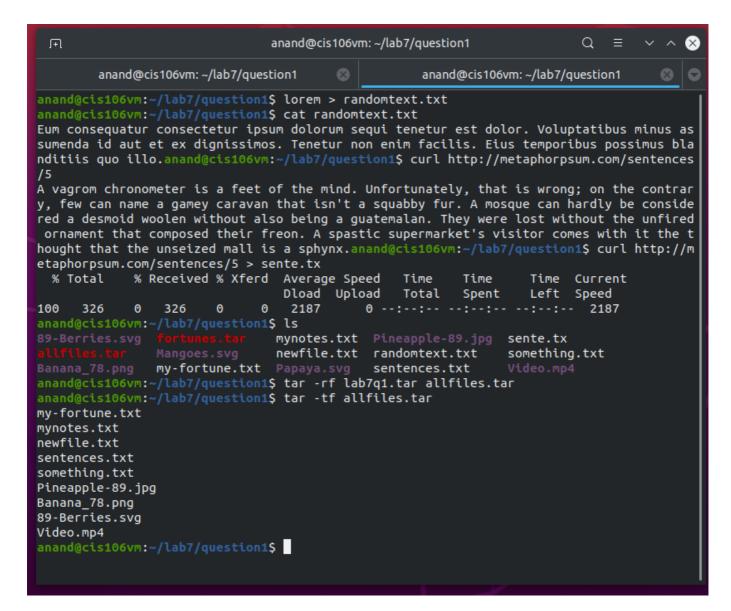
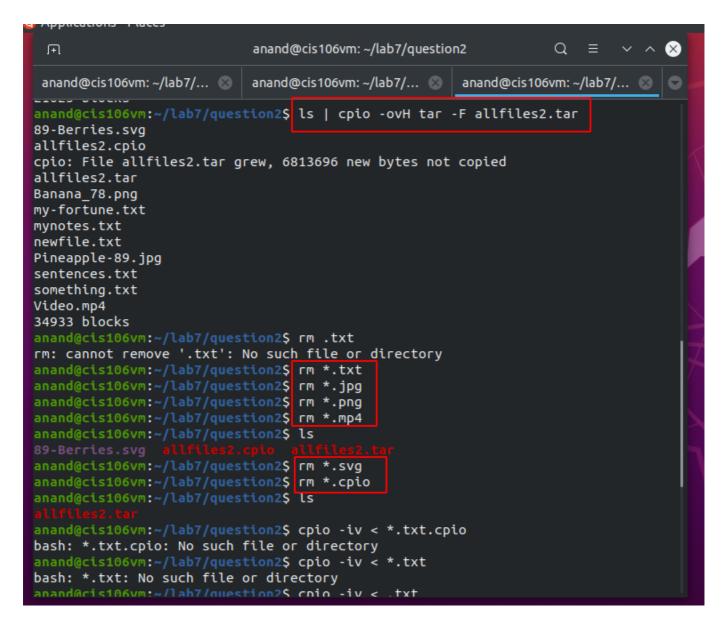
## Lab 7 | Managing Data Question 1 | Tar Utility

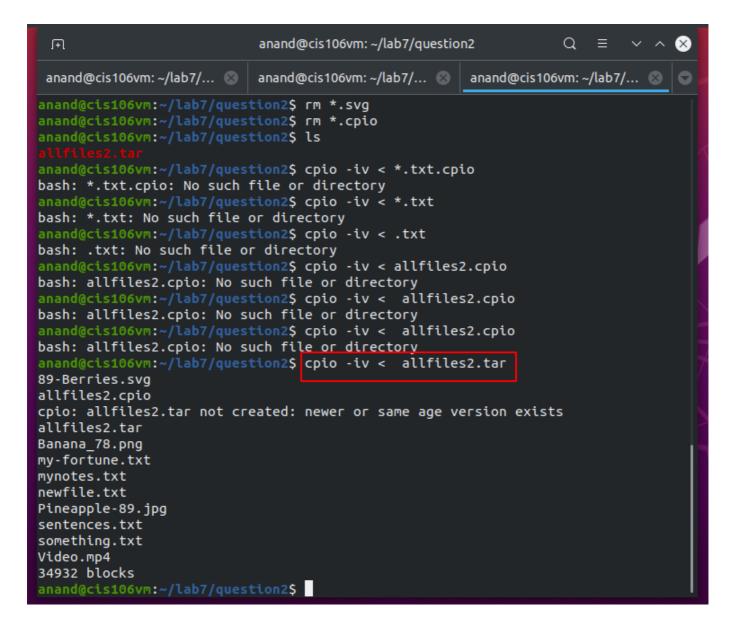
```
Q
 Ħ
                               anand@cis106vm: ~/lab7/question1
                                                                                  × ^ ×
bash: cd: question1/: No such file or directory
anand@cis106vm:~$ cd lab7/
anand@cis106vm:~/lab7$ cd question1
anand@cis106vm:~/lab7/question1$ ls
                                mynotes.txt Pineapple-89.jpg Video.mp4
                                newfile.txt sentences.txt
                my-fortune.txt Papaya.svg
                                             something.txt
anand@cis106vm:~/lab7/question1$ ls -a
                                               newfile.txt
                                                                 sentences.txt
                               my-fortune.txt Papaya.svg
                                                                 something.txt
                               mynotes.txt
anand@cis106vm:~/lab7/question1$ tar cf allfiles.tar * .txt *[0-9]*.{jpg,png,svg} Video.
tar: allfiles.tar: file is the archive; not dumped
tar: .txt: Cannot stat: No such file or directory
tar: Exiting with failure status due to previous errors
anand@cis106vm:~/lab7/question1$ tar cf allfiles.tar *.txt *[0-9]*.{jpg,png,svg} Video.m
anand@cis106vm:~/lab7/question1$ tar -tf allfiles.tar
my-fortune.txt
mynotes.txt
newfile.txt
sentences.txt
something.txt
Pineapple-89.jpg
Banana_78.png
89-Berries.svg
Video.mp4
anand@cis106vm:~/lab7/question15 lorem
Ducimus quia dolorem magnam esse nisi adipisci. Ullam voluptas quia atque delectus totam
qui quae. Eos molestiae incidunt commodi voluptas repellendus maiores voluptas est. Ea
sit reiciendis est quibusdam magni et assumenda.anand@cis106vanaanaanaanaanaanaanaanaana
anand@cis106vm:~/lab7/question1$
```



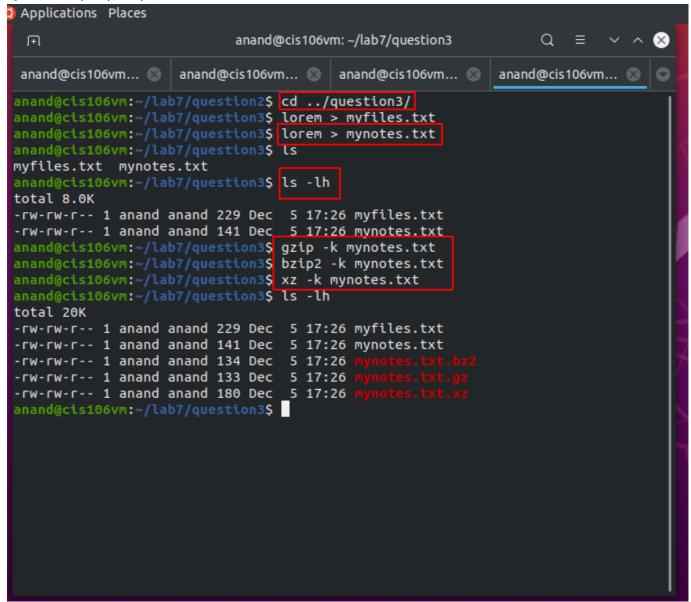
Question 2 | Cpio Utility

```
anand@cis106vm: ~/lab7/question2
                                                                   Q
anand@cis106vm: ~/lab7/...
                            anand@cis106vm: ~/lab7/... 💮 anand@cis106vm: ~/lab7/...
anand@cis106vm:~/lab7/question2$ ls | cpio -ovH tar -F allfiles2.tar
89-Berries.svq
allfiles2.cpio
cpio: File allfiles2.tar grew, 6813696 new bytes not copied
allfiles2.tar
Banana_78.png
my-fortune.txt
mynotes.txt
newfile.txt
Pineapple-89.jpg
sentences.txt
something.txt
Video.mp4
34933 blocks
anand@cis106vm:~/lab7/question2$ rm .txt
rm: cannot remove '.txt': No such file or directory
anand@cis106vm:~/lab7/question2$ rm *.txt
anand@cis106vm:~/lab7/question2$ rm *.jpg
anand@cis106vm:~/lab7/question2$ rm *.png
anand@cis106vm:~/lab7/question2$ rm *.mp4
anand@cis106vm:~/lab7/question2$ ls
anand@cis106vm:~/lab7/question2$ rm *.svq
anand@cis106vm:~/lab7/question2$ rm *.cpio
anand@cis106vm:~/lab7/question2$ ls
anand@cis106vm:~/lab7/question2$ cpio -iv < *.txt.cpio</pre>
bash: *.txt.cpio: No such file or directory
anand@cis106vm:~/lab7/question2$ cpio -iv < *.txt
bash: *.txt: No such file or directory
anand@cis106vm:~/lab7/question2$ cnio -iv < .txt
```





Question 3 | Gzip, bzip2, xz



Question 4 | Zip, 7zip and Rar

```
anand@cis106vm: ~/lab7/question4
                                                                 Q
 \Box
anand@...
              anand@... 🛇
                           anand@... 🛛
                                        anand@... 🛛
                                                     anand@... 🛞
                                                                  anand@...
anand@cis106vm:~/lab7/question4$ cd ../question3/
anand@cis106vm:~/lab7/question3$ ls
myfiles.txt mynotes.txt
anand@cis106vm:~/lab7/question3$ cd ../question4/
anand@cis106vm:~/lab7/question4$ gzip -dkc < ../question3/mynotes.txt.gz > myn
otes.txt
anand@cis106vm:~/lab7/question4$ ls
mynotes.txt
anand@cis106vm:~/lab7/question4$ mv mynotes.txt mynotes2.txt
anand@cis106vm:~/lab7/question4$ bzip2 -dkc < ../question3/mynotes.txt.bz2
mynotes.txt
anand@cis106vm:~/lab7/question4$ ls
mynotes2.txt mynotes.txt
anand@cis106vm:~/lab7/question4$ mv mynotes.txt mynotes3.txt
anand@cis106vm:~/lab7/question4$ xz -dkc < ../question3/mynotes.txt.xz > myn
anand@cis106vm:~/lab7/question4$ ls
mynotes2.txt mynotes3.txt mynotes.txt
anand@cis106vm:~/lab7/question4$ zip -r mynotes.zip question4
        zip warning: name not matched: question4
zip error: Nothing to do! (try: zip -r mynotes.zip . -i question4)
anand@cis106vm:~/lab7/question4$ zip -r mynotes.zip mynotes.txt
adding: mynotes.txt (deflated 27%)
anand@cis106vm:~/lab7/question4$ ls
mynotes2.txt mynotes3.txt mynotes.txt
anand@cis106vm:~/lab7/question4$ zip -r mynotes3.txt mynotes3.txt
       zip warning: missing end signature--probably not a zip file (did you
       zip warning: remember to use binary mode when you transferred it?)
       zip warning: (if you are trying to read a damaged archive try -F)
```

