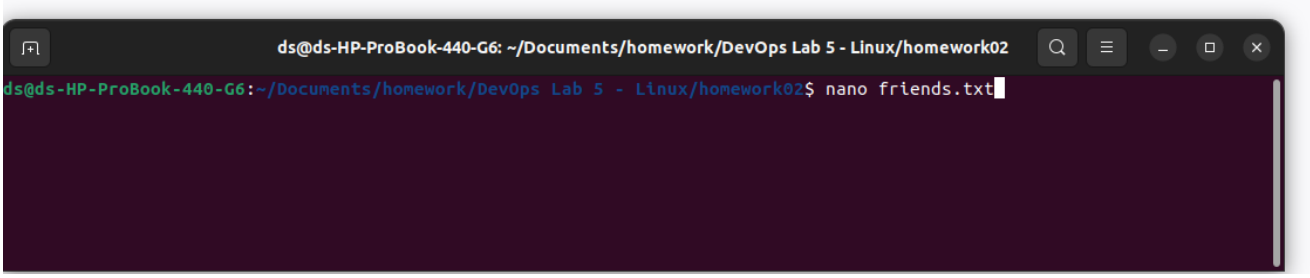
Exercise: Basic Linux & Bash commands

Exercise 01

Create a file friends.txt with a list of names of three of your friends on separate lines.

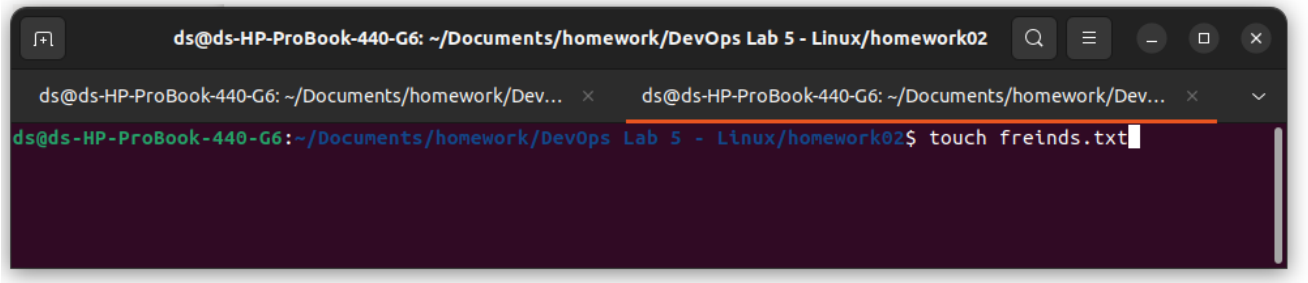
- Lets create new file using nano - text editor, open Terminal and type:

```
$ nano friends.txt
```



- Alternativy you can create new file using touch command

```
$ touch friends.txt
```



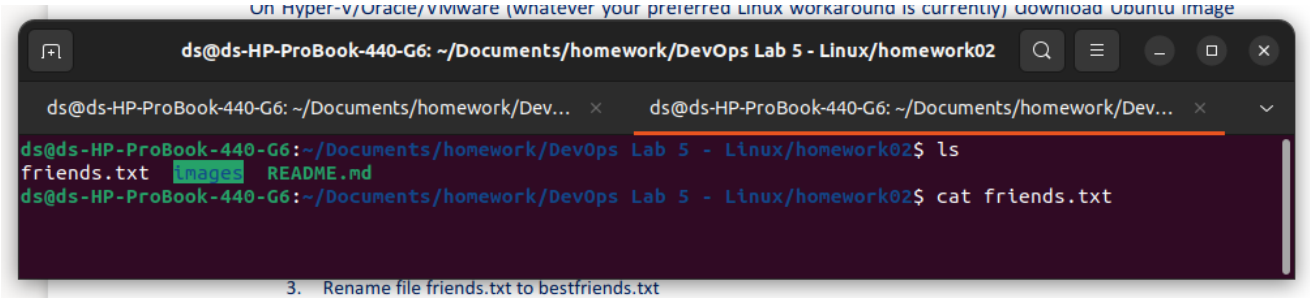
- Open the document in text editor and save using ctrl + x and select y

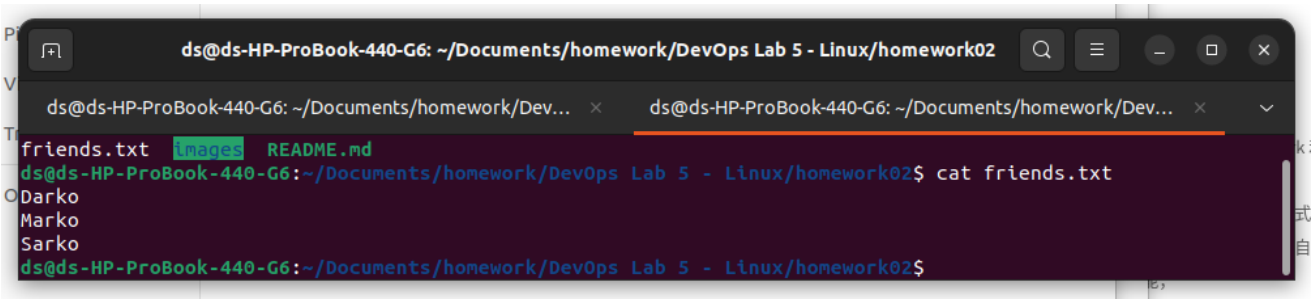
```
$ nano friends.txt
```

Exercise 02

Display the contents of friends.txt on the console.

```
$ cat friends.txt
```



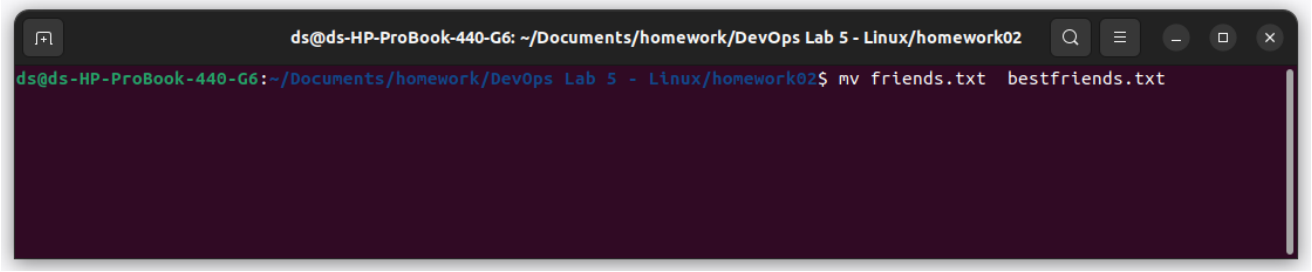


Exercise 03

Rename file friends.txt to bestfriends.txt

- To change the of the use command mv

```
$ mv friends.txt  bestfriends.txt
```

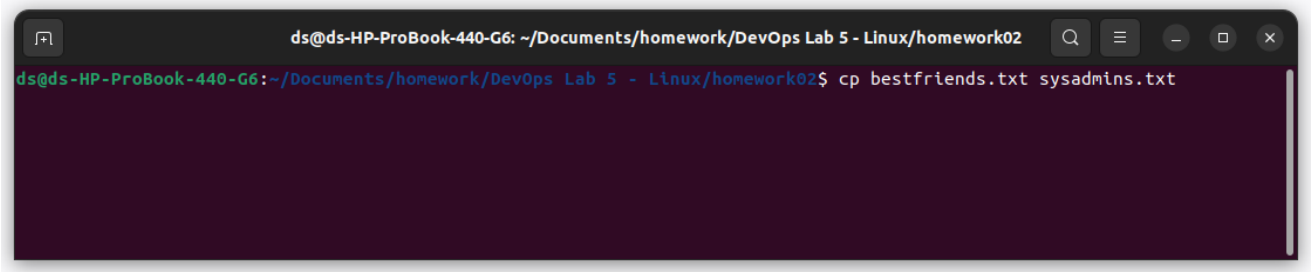


Exercise 04

Make a copy of bestfriends.txt under the name sysadmins.txt

- Copy bestfriends.txt sysadmins.txt using cp command

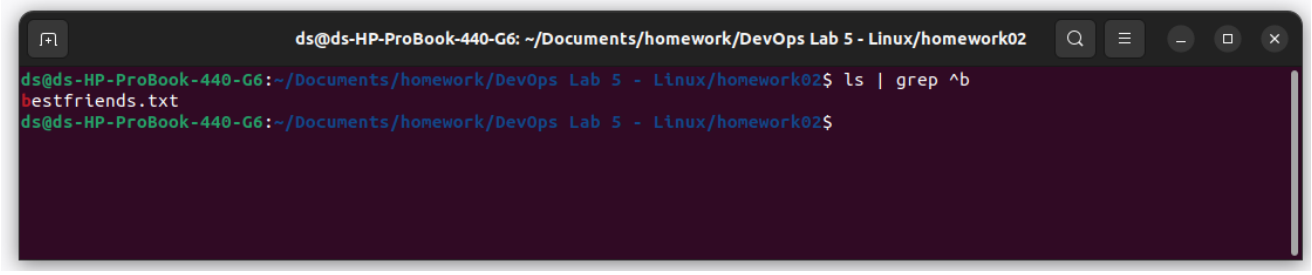
```
$ cp bestfriends.txt sysadmins.txt
```



Exercise 05

List all files whose name begins with letter 'b' and ends with extension txt.

```
$ ls | grep ^b
```

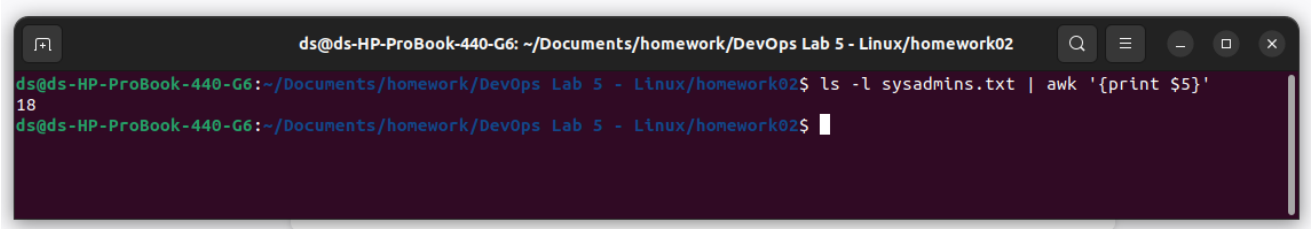


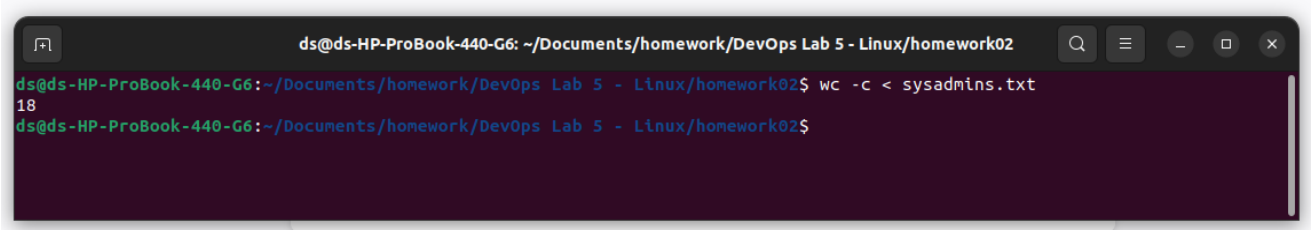
Exercise 06

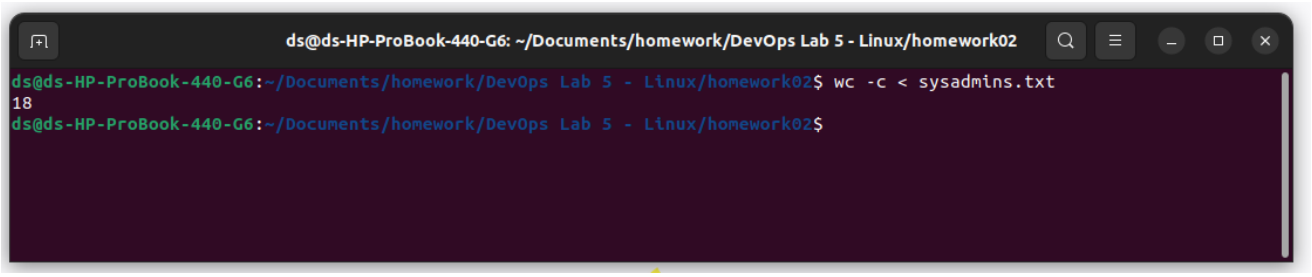
Write a command that will tell you how many bytes are taken up by file sysadmins.txt

- we can check the file size using commands

```
ls -l filename | awk '{print $5}'
stat -c %s filename
wc -c < filename
```





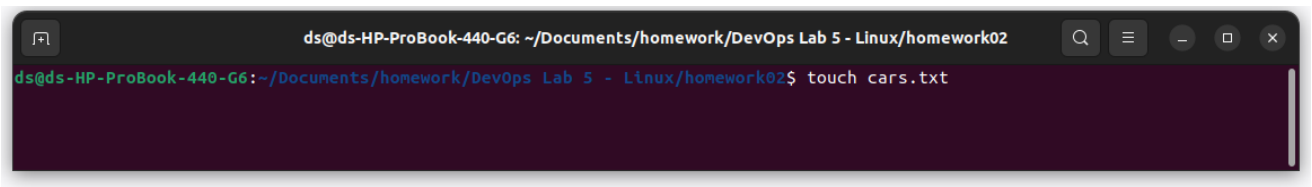


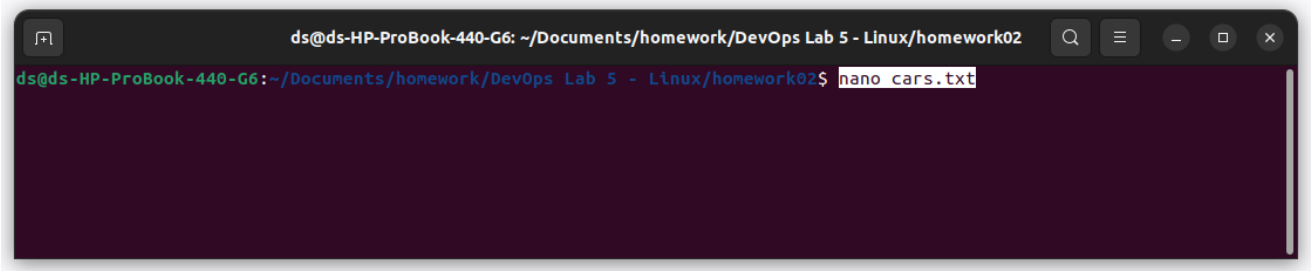
Exercise 07

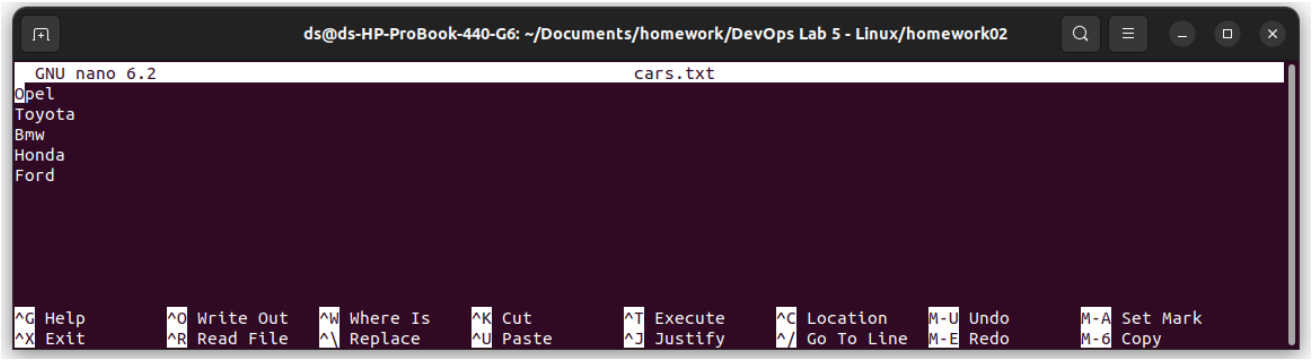
Create file cars.txt with a list of 5 brands of cars on separate lines.

- Open terminal and type

```
nano cars.txt
touch cars.txt
```





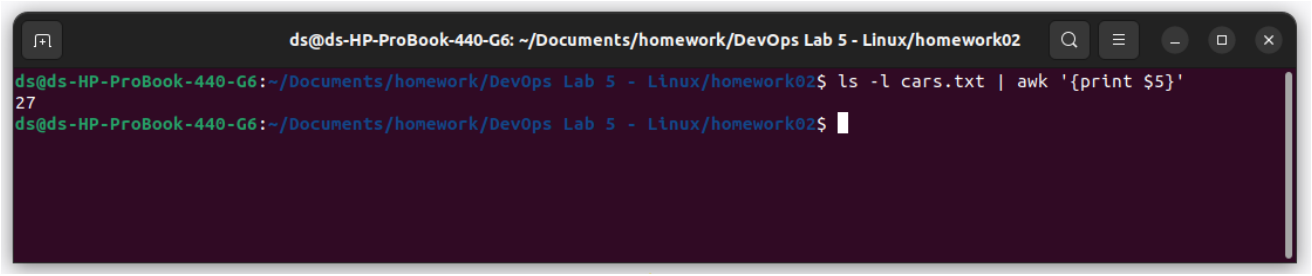


Exercise 08

Check how many bytes are taken up by the file.

- Open terminal and type

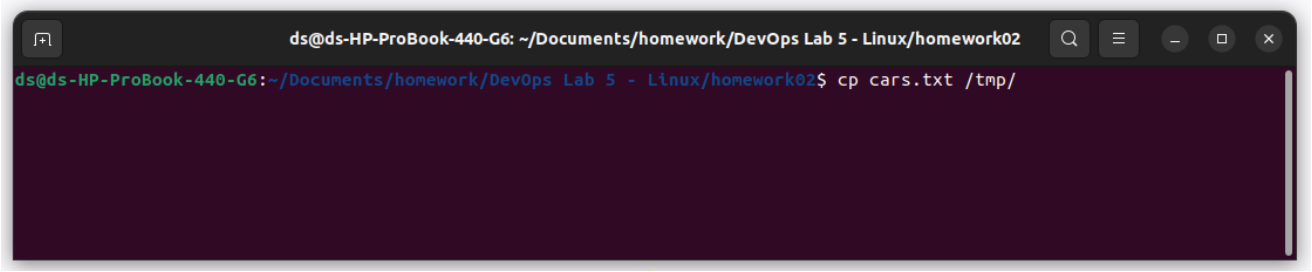
```
$ ls -l cars.txt | awk '{print $5}'
```



Exercise 09

Copy the file cars.txt into directory /tmp.

```
$ cars.txt /tmp/
```



Exercise 10

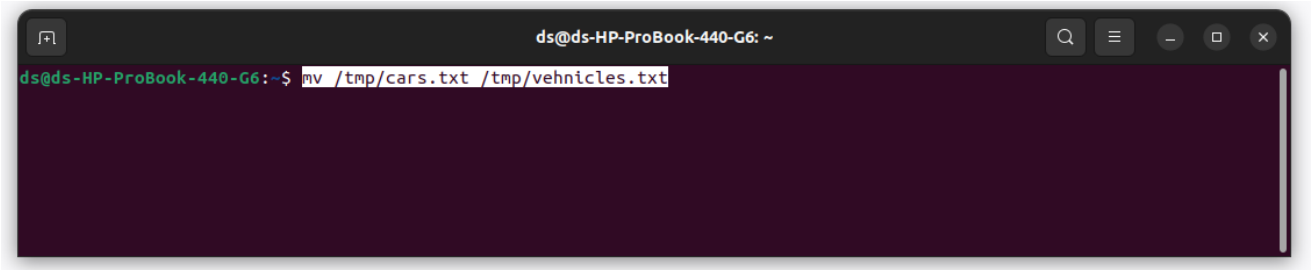
List all files with extension *.txt in directory /tmp and verify that the file was copied properly.

```
$ sudo find /tmp -type f -name "*.txt"
```

Exercise 11

Without leaving your home directory rename file cars.txt located in /tmp to vehicles.txt in /tmp

```
$ mv /tmp/cars.txt /tmp/vehnicles.txt
```



Exercise 12

Display the contents of /etc/passwd file on the screen interactively (so you can search, scroll up and down).

```
$ less /etc/passwd
```