# *SHELL PROGRAMMING LAB*

# ASSIGNMENT -6

**SUBMITTED BY:**

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**B.C.A -I.O.T.**

**SUBMITTED TO:**

Dr. Dhiviya Rose

## EXPERIMENT – 6
**TITLE:** Working with grep command.
**Text Content**
unix is great os. unix is opensource. unix is free os.
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.

**Activities:**
1. Write a grep command that selects the lines from the file1 that have exactly three characters.

```
root@Ayush500086400:~/Desktop/lab6# grep ^... file.txt
unix is great os. unix is opensource. unix is free os.
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
root@Ayush500086400:~/Desktop/lab6#
```

2. Write a grep command that selects the lines from the file1 that have at least three characters.

```
root@Ayush500086400:~/Desktop/lab6# grep ... file.txt
unix is great os. unix is opensource. unix is free os.
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
root@Ayush500086400:~/Desktop/lab6#
```

3. Write a grep command that selects the lines from the file1 that have three or fewer characters

```
root@Ayush500086400:~/Desktop/lab6# cat file.txt
unix is great os. unix is opensource. unix is free os.
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6# grep -v .... file.txt
abc
root@Ayush500086400:~/Desktop/lab6#
```

4. Write a grep command that counts the number of blank lines in the file1

```
root@Ayush500086400:~/Desktop/lab6# cat file.txt
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Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6# grep -c ^$ file.txt
1
root@Ayush500086400:~/Desktop/lab6#
```

5. Write a grep command that counts the number of nonblank lines in the file1.

```
root@Ayush500086400:~/Desktop/lab6# cat file.txt
unix is great os. unix is opensource. unix is free os.

learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6# grep -cv ^$ file.txt
5
root@Ayush500086400:~/Desktop/lab6#
```

6. Write grep command that selects the lines from file1 that have the string UNIX.

```
root@Ayush500086400:~/Desktop/lab6# grep -i "UNIX" file.txt
unix is great os. unix is opensource. unix is free os.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
root@Ayush500086400:~/Desktop/lab6#
```

7. Write grep command that selects the lines from file1 that have only the string UNIX.

```
root@Ayush500086400:~/Desktop/lab6# grep -x "unix" file.txt
unix
root@Ayush500086400:~/Desktop/lab6#
```

8. Write grep command that copies the file to the monitor, but delete the blank lines.

```
root@Ayush500086400:~/Desktop/lab6# cat file.txt
unix is great os. unix is opensource. unix is free os.
unix

learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6# grep -c ^$ file.txt
1
root@Ayush500086400:~/Desktop/lab6# grep -v ^$ file.txt
unix is great os. unix is opensource. unix is free os.
unix
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6#
```

9. Write grep command that selects the lines from file1 that have at least two digits without any other characters in between.

```
root@Ayush500086400:~/Desktop/lab6# cat file.txt
unix is great os. unix is opensource. unix is free os.
unix
12
1234567
1-2-3
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6# grep [0-9][0-9] file.txt
12
1234567
root@Ayush500086400:~/Desktop/lab6#
```

10. Write grep command that selects the lines from file1 that do not start with A to G.

```
root@Ayush500086400:~/Desktop/lab6# cat file.txt
unix is great os. unix is opensource. unix is free os.
Ayushjha
unix
12
1234567
1-2-3
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6# grep -v ^[A-G] file.txt
unix is great os. unix is opensource. unix is free os.
unix
12
1234567
1-2-3
learn operating system.
Unix linux which one you choose.
uNix is easy to learn.unix is a multiuser os.Learn unix .unix is a powerful.
abc
root@Ayush500086400:~/Desktop/lab6#
```