



# **\*SHELL PROGRAMMING LAB\***

## **ASSIGNMENT -9**

**SUBMITTED BY:**

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

**SUBMITTED TO:**

**Dr. Dhiviya Rose**

1. Write the sed command to print the line 3-6 from the input file.

```
root@Ayush500086400:~/Desktop/lab9# sed -n '3,6p' act1.txt
-i used to ignore case
-w to match a whole word
-v the lines other than the match pattern
-o print only the matching word
root@Ayush500086400:~/Desktop/lab9#
```

2. Write the sed command to print the lines except the line 3-6 from the input file.

```
root@Ayush500086400:~/Desktop/lab9# sed '3,6'd act1.txt
GREP options
-----
-n line number of the match
-c to display matched number of lines
-A to siplay N lines after match
-B before match print 1 line
root@Ayush500086400:~/Desktop/lab9#
```

3. Write the sed command to print the lines line 3-6 and 7-9 from the input file.

```
root@Ayush500086400:~/Desktop/lab9# sed -n -e '3,5'p -e '7,9'p act1.txt
-i used to ignore case
-w to match a whole word
-v the lines other than the match pattern
-n line number of the match
-c to display matched number of lines
-A to siplay N lines after match
root@Ayush500086400:~/Desktop/lab9#
```

4. Write the command to replace the 'word' with 'text'.

```
root@Ayush500086400:~/Desktop/lab9# sed 's/word/text/g' act1.txt
GREP options
-----
-i used to ignore case
-w to match a whole text
-v the lines other than the match pattern
-o print only the matching text
-n line number of the match
-c to display matched number of lines
-A to siplay N lines after match
-B before match print 1 line
root@Ayush500086400:~/Desktop/lab9#
```

5. Write the command to replace 'text' only within a line range 1-3

```

root@Ayush500086400:~/Desktop/lab9# sed '1,3 s/word/text/g' act1.txt
GREP options
-----
-i used to ignore case
-w to match a whole word
-v the lines other than the match pattern
-o print only the matching word
-n line number of the match
-c to display matched number of lines
-A to siplay N lines after match
-B before match print 1 line
root@Ayush500086400:~/Desktop/lab9#

```

6. Write a sed command to replace multiple blank spaces with a single space.

```

root@Ayush500086400:~/Desktop/lab9# cat act1.txt
GREP options
-----
-i used to ignore case
-w to match a whole word
-v the lines other than the match pattern
-o print only the matching word
-n line number of the match
-c to display matched number of lines
-A to siplay N lines after match
-B before match print 1 line
root@Ayush500086400:~/Desktop/lab9# sed 's/ \{2,\}/ /' act1.txt
GREP options
-----
-i used to ignore case
-w to match a whole word
-v the lines other than the match pattern
-o print only the matching word
-n line number of the match
-c to display matched number of lines
-A to siplay N lines after match
-B before match print 1 line
root@Ayush500086400:~/Desktop/lab9# █

```

## Activity 2:

Consider a file with the content linux is 100 % great os.

a) Write a sed command that print numbers of lines beginning with “u”.

```
root@Ayush500086400:~/Desktop/lab9# sed -n '/^u/p' act2.txt
unix is easy to learn.linux is a multiuser os.Learn unix
root@Ayush500086400:~/Desktop/lab9#
```

b) Write a sed command that delete digits in the given input file.

```
root@Ayush500086400:~/Desktop/lab9# cat act2.txt
linux is 100 % great os. unix is opensource. unix is free os.
Every 1 must learn operating system.
linux linux which one you choose.
unix is easy to learn.linux is a multiuser os.Learn unix
root@Ayush500086400:~/Desktop/lab9# sed 's/[0-9]*//g' act2.txt
linux is % great os. unix is opensource. unix is free os.
Every must learn operating system.
linux linux which one you choose.
unix is easy to learn.linux is a multiuser os.Learn unix
```

c) Write a sed command that delete lines that contain both unix and linux..

```
root@Ayush500086400:~/Desktop/lab9# sed '/unix/{/linux/d}' act2.txt
Every 1 must learn operating system.
linux linux which one you choose.
root@Ayush500086400:~/Desktop/lab9#
```

d) Write a sed command that delete lines that contain unix but not linux.

```
root@Ayush500086400:~/Desktop/lab9# sed '/unix/{/linux/!d}' act2.txt
linux is 100 % great os. unix is opensource. unix is free os.
Every 1 must learn operating system.
linux linux which one you choose.
unix is easy to learn.linux is a multiuser os.Learn unix
root@Ayush500086400:~/Desktop/lab9#
```