

# CLOUD AND DEVOPS INNOVATION LAB

## ASSIGNMENT-1

### LINUX COMMANDS

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#### 1.FIND

```
sandhiya@sandhiya-VirtualBox:~$ mkdir assignment
sandhiya@sandhiya-VirtualBox:~$ cd assignment
sandhiya@sandhiya-VirtualBox:~/assignment$ touch file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ touch file2.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ cd ..
sandhiya@sandhiya-VirtualBox:~$ find assignment -type f -name "*.txt"
assignment/file2.txt
assignment/file1.txt
```

#### 2.GREP

```
sandhiya@sandhiya-VirtualBox:~$ echo "hello world" | grep "text"
sandhiya@sandhiya-VirtualBox:~$ grep "pattern" << "hello world"
> It is sample file
> which has lot of examples
> hello
> world
> ^C
sandhiya@sandhiya-VirtualBox:~$ echo "pattern" <<EOF
> It is the example for reading an input
> through "grep" command
> EOF
pattern
sandhiya@sandhiya-VirtualBox:~$ grep "sample" file1.txt
grep: file1.txt: No such file or directory
sandhiya@sandhiya-VirtualBox:~$ cd assignment
sandhiya@sandhiya-VirtualBox:~/assignment$ grep "sample" file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ nano file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ grep "sample" file1.txt
It is sample file,which contains informations on the commands in linux
```

#### 3.TAR & UNTAR

```
sandhiya@sandhiya-VirtualBox:~/assignment$ tar -cvf archive.tar file1.txt
file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ tar -xvf archive.tar
file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ tar -tvf archive.tar
-rw-rw-r-- sandhiya/sandhiya 72 2024-04-05 20:04 file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ cat file1.txt
It is sample file,which contains informations on the commands in linux
```

## 4.SED

```
sandhiya@sandhiya-VirtualBox:~/assignment$ sed 's/forsome/for some/g' file1.txt
It is sample file,which contains informations on the commands in linux

sandhiya@sandhiya-VirtualBox:~/assignment$ sed -n '1,2p' file1.txt
It is sample file,which contains informations on the commands in linux

sandhiya@sandhiya-VirtualBox:~/assignment$ sed '1,1p' file1.txt
It is sample file,which contains informations on the commands in linux
It is sample file,which contains informations on the commands in linux

sandhiya@sandhiya-VirtualBox:~/assignment$ sed '1,1d' file1.txt
```

## 5.ZIP & UNZIP

```
sandhiya@sandhiya-VirtualBox:~/assignment$ zip archive.zip file1.txt
adding: file1.txt (deflated 8%)
sandhiya@sandhiya-VirtualBox:~/assignment$ zip -u archive.zip work/file1.txt
zip warning: name not matched: work/file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ unzip archive.zip
Archive:  archive.zip
replace file1.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename:
error:  invalid response [{ENTER}]
replace file1.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename:
error:  invalid response [{ENTER}]
replace file1.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename:
error:  invalid response [{ENTER}]
replace file1.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  inflating: file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ y
y: command not found
sandhiya@sandhiya-VirtualBox:~/assignment$ unzip archive.zip
Archive:  archive.zip
replace file1.txt? [y]es, [n]o, [A]ll, [N]one, [r]ename: y
  inflating: file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ y
y: command not found
sandhiya@sandhiya-VirtualBox:~/assignment$ unzip -l archive.zip
Archive:  archive.zip
  Length      Date    Time    Name
  -----  -
      72  2024-04-05  20:04   file1.txt
  -----
      72                  1 file

sandhiya@sandhiya-VirtualBox:~/assignment$ unzip -t archive.zip
Archive:  archive.zip
  testing: file1.txt                OK
No errors detected in compressed data of archive.zip.
sandhiya@sandhiya-VirtualBox:~/assignment$ awk '{print $2, $5}' file1.txt
is contains
```

## 6.AWK

```

sandhiya@sandhiya-VirtualBox:~/assignment$ cat marks
cat: marks: No such file or directory
sandhiya@sandhiya-VirtualBox:~/assignment$ nano file1.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ cat file1.txt
76
85
95
66
86
51
10 persons
20 ears
20 eyes
It is sample file,which contains informations on the commands in linux

sandhiya@sandhiya-VirtualBox:~/assignment$ awk '{sum+=$1} END {print sum}' file1.txt
awk: line 1: extra ')'
awk: line 1: missing } near END
sandhiya@sandhiya-VirtualBox:~/assignment$ cat >> data.csv
brinjal,carrot,beetroot
orange,apple,pineapple
blue,green,purple

```

## 7.CUT

```

sandhiya@sandhiya-VirtualBox:~/assignment$ cut -d',' -f1,2 data.csv
cut: the delimiter must be a single character
Try 'cut --help' for more information.
sandhiya@sandhiya-VirtualBox:~/assignment$ cut -d',' -f1,2 data.csv
brinjal,carrot
orange,apple
blue,green
sandhiya@sandhiya-VirtualBox:~/assignment$ cut -c1-5 data.csv
brinj
orang
blue,
sandhiya@sandhiya-VirtualBox:~/assignment$ cut -d' ' --complement -f3 data.csv
brinjal,carrot,beetroot
orange,apple,pineapple
blue,green,purple
sandhiya@sandhiya-VirtualBox:~/assignment$ cut -d' ' --complement -f1 data.csv
brinjal,carrot,beetroot
orange,apple,pineapple
blue,green,purple

```

## 8.SORT

```

sandhiya@sandhiya-VirtualBox:~/assignment$ touch hello.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ nano hello.txt
sandhiya@sandhiya-VirtualBox:~/assignment$ cat hello.txt
hello
hello
everyone hello
everything hello
hello
hello
hello
sandhiya@sandhiya-VirtualBox:~/assignment$ sort -f hello.txt
everyone hello
everything hello
hello

```

## 9.UNIQ

```
sandhiya@sandhiya-VirtualBox:~/assignment$ uniq -c hello.txt
  2 hello
  1 everyone hello
  1 everything hello
  4 hello
  1 hi
  1 everyone
sandhiya@sandhiya-VirtualBox:~/assignment$ uniq -i hello.txt
hello
everyone hello
everything hello
hello
hi
everyone
sandhiya@sandhiya-VirtualBox:~/assignment$ uniq -d hello.txt
hello
hello
sandhiya@sandhiya-VirtualBox:~/assignment$ uniq -f 2 helo.txt
uniq: helo.txt: No such file or directory
sandhiya@sandhiya-VirtualBox:~/assignment$ uniq -f 2 hello.txt
hello
everyone hello
everything hello
sandhiya@sandhiya-VirtualBox:~/assignment$ uniq hello.txt
hello
everyone hello
everything hello
hello
hi
everyone
```