

// OS Commands

```
laaglab@laaglab-OptiPlex-3090:~/Documents$ ls
os: No such file or directory
Complex.class  Downloads  sharker  Videos
Complex.java  Home      stuple
Complex.No     Pictures  stuple
Complex.No.class  Public   temp1.txt
laaglab@laaglab-OptiPlex-3090:~/Documents$ cd Documents
laaglab@laaglab-OptiPlex-3090:~/Documents$ ls
1  Journal  one  two
laaglab@laaglab-OptiPlex-3090:~/Documents$ echo one
one
laaglab@laaglab-OptiPlex-3090:~/Documents$ echo "hello world"
hello world
laaglab@laaglab-OptiPlex-3090:~/Documents$ read -p "enter your number" num
enter your number: 30
laaglab@laaglab-OptiPlex-3090:~/Documents$ cat one
this is the 1st lab
laaglab@laaglab-OptiPlex-3090:~/Documents$ cat one
this is the 1st lab
laaglab@laaglab-OptiPlex-3090:~/Documents$ touch new_file
laaglab@laaglab-OptiPlex-3090:~/Documents$ ls
1  Journal  new_file  one  two
laaglab@laaglab-OptiPlex-3090:~/Documents$ test new_file && echo "present"
present
laaglab@laaglab-OptiPlex-3090:~/Documents$ for i in 1 2 3 4
do
echo $i
done
1
2
3
4
laaglab@laaglab-OptiPlex-3090:~/Documents$ grep one os
grep: os: No such file or directory
laaglab@laaglab-OptiPlex-3090:~/Documents$ grep os one.txt
grep: one.txt: No such file or directory
laaglab@laaglab-OptiPlex-3090:~/Documents$ grep os one
this is the 1st lab
laaglab@laaglab-OptiPlex-3090:~/Documents$ sed 's/shahin/one/'
sed: -e expression #1, char 12: unterminated 's' command
laaglab@laaglab-OptiPlex-3090:~/Documents$ sed 's/shahin/one/'
^C
laaglab@laaglab-OptiPlex-3090:~/Documents$ echo one | sed 's/nowone/one/'
one
laaglab@laaglab-OptiPlex-3090:~/Documents$ echo one | sed 's/nowtwo/'
two
```

```
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laaglab@laaglab-OptiPlex-3090:~/Documents$ echo one | sed 's/nowone/one/'
one
laaglab@laaglab-OptiPlex-3090:~/Documents$ echo one | sed 's/one/two/'
two
laaglab@laaglab-OptiPlex-3090:~/Documents$
```

```
// Adress book

// command in Terminal in linux/Ubuntu

// chmod +x filename.sh

// ./filename.sh

create(){

    echo "Enter address book name : "

    read name

    res=`ls | grep $name | wc -w`

    if [ $res -gt 0 ]

    then

        echo "File is already exists..."

        echo ""

    else

        touch $name

        echo "File is Created Successfully..."

        echo ""

    fi

}

display(){

    echo "Enter address book name: "

    read name

    res=`ls | grep $name | wc -w`

    if [ $res -gt 0 ]

    then

        cat $name

    else

        echo "File is not exists..."

        echo " "

    fi

}
```

```

}
insert(){
    echo "Enter address book name: "
    read name
    res=`ls | grep $name | wc -w`
    if [ $res -gt 0 ]
    then
        echo "Enter email : : "
        read email
        len=`cat $name | grep $email | wc -w`
        if [ $len -gt 0 ]
        then
            echo "This ID is already exists..."
            echo ""
        else
            echo "Enter first name : "
            read fname
            echo "Enter last name : "
            read lname
            echo "Enter city name : "
            read city

            record=`echo $fname $lname $city $email`
            echo $record >> $name
            echo "Record is inserted Successfully..."
            echo ""
        fi
    else
        echo "File is not exists..."
        echo " "
    fi
}

```

```

}

modify(){
    echo "Enter address book name: "
    read name
    res=`ls | grep $name | wc -w`
    if [ $res -gt 0 ]
    then
        echo "Enter email : : "
        read email
        len=`cat $name | grep $email | wc -w`
        if [ $len -gt 0 ]
        then
            echo "Enter Modified Data"
            echo "enter first name: "
            read fname
            echo "Enter last name: "
            read lname
            echo "Enter city name: "
            read city
            new=`echo $fname $lname $city $email`

            old=`cat $name | grep $email`
            sed -i s/"$old"/"$new"/g $name
            echo "Record modified Successfully..."
            echo ""
        else
            echo "Email is not exists..."
            echo ""
        fi
    else
        echo "File is not exists..."
    fi
}

```

```

        echo " "
    fi
}
delete(){
    echo "Enter address book name: "
    read name
    res=`ls | grep $name | wc -w`
    if [ $res -gt 0 ]
    then
        echo "Enter email : : "
        read email
        len=`cat $name | grep $email | wc -w`
        if [ $len -gt 0 ]
        then
            old=`cat $name | grep $email`
            sed -i s/"$old"/""/g $name
            sed -i /^$/d $name
            echo "Record deleted Successfully..."
            echo ""
        else
            echo "Email is not exists..."
            echo ""
        fi
    else
        echo "File is not exists..."
        echo " "
    fi
}
while [ true ]
do
    echo "----*----*-Operations-*----*----"

```

```
echo ""
echo "1.create"
echo "2.display"
echo "3.insert"
echo "4.modify"
echo "5.delete"
echo "6.exit"
echo "enter your choice : "
read choice
case $choice in
    1) create ;;
    2) display ;;
    3) insert ;;
    4) modify ;;
    5) delete ;;
    6) exit ;;
    *) echo "Enter Correct Choice..."
       echo " " ;;
esac
done
```