

Name : Kaustubh Gajanan Indulkar
TE-IT 35026

ASSIGNMENT 1(B)

Problem Statement: Write a program to implement an address book with options given below: a) Create address book. b) View address book. c) Insert a record. d) Delete a record. e) Modify a record. f) Exit

```
clear

c=0

while test $c != 7
do

echo "1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit"

read c

case "$c" in
"1") #Create

echo "Enter the Filename: "
read file
touch $file
echo "File Created Sucessfully"
;;

"2") #View

cat "$file"

;;

"3") #Insert
it=0
echo "enter the no. of records"
    read n
    while [ $it -lt $n ]
do
        echo "enter id:"
        read id1
        echo "enter name:"
        read nm
        pa="^[A-Za-z]"

        echo "enter address:"
        read add
```

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```
    pa="^[A-Za-z0-9]"
    while [[ ! "$add" =~ $pa ]]
    do
        echo "enter valid address:"
        read add
    done
#echo $add

echo "enter phone no.:"
read ph
pat="^[0-9]{10}$"
while [[ ! $ph =~ $pat ]]
do
    echo "please enter phone number as XXXXXXXXXX:"
    read ph
done
#echo $ph

echo "enter email:"
read em
patem="^[a-z0-9._%+]+@[a-z]+\.[a-z]{2,4}$"
while [[ ! $em =~ $patem ]]
do
    echo "please enter valid email address"
    read em
done
#echo $em

echo "$id1,$nm,$add,$ph,$em" >> "$file"
it=`expr $it + 1`
echo "$it record entered"
done

;;

"4") #Delete
echo "enter the file name in which you want to delete"
read file

echo "enter id that you want to delete"
read id

sed -i "$id/d" $file
echo "data successfully deleted"

;;

"5") #Modify
```

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```
echo "enter the file name in which you want to modify"  
read file
```

```
echo "enter word that you want to modify"  
read word
```

```
echo "enter new word "  
read new_word
```

```
sed -i_bkp -e "s/$word/$new_word/g" $file  
;;
```

"6") #Search

```
echo "enter the file name in which you want to search"  
read file
```

```
echo "enter id that you want to search"  
read id
```

```
grep $id $file  
;;
```

"7") #Exit

```
echo "Exit"  
exit  
;;  
esac
```

```
done  
exit
```

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OUTPUT:

```
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
1
Enter the Filename:
osassib.txt
File Created Sucessfully
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
3
enter the no. of records
3
enter id:
1
enter name:
Kaustubh Indulkar
enter address:
Pune
address_book.sh: 40: [: not found
enter phone no.:
1827937487
address_book.sh: 50: [: not found
enter email:
kgi@gmail.com
address_book.sh: 60: [: not found
1 record entered
enter id:
2
enter name:
Chaitanya Daphal
enter address:
dighi
address_book.sh: 40: [: not found
enter phone no.:
5627384658
address_book.sh: 50: [: not found
enter email:
```

```
oag@gmail.com
address_book.sh: 60: [: not found
3 record entered
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
2
1,Kaustubh Indulkar,Pune,1827937487,kgi@gmail.com
2,Chaitanya Daphal,dighi,5627384658,crd@gmail.com
3,Omkar Gore,charholi,6273849638,oag@gmail.com
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
█
```

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```
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
5
enter the file name in which you want to modify
osass1b.txt
enter word that you want to modify
Pune
enter new word
Bhosari
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
2
1,Kaustubh Indulkar,Bhosari,1827937487,kgi@gmail.com
2,Chaitanya Daphal,dighi,5627384658,crd@gmail.com
3,Omkar Gore,charholi,6273849638,oag@gmail.com
```

```
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
6
enter the file name in which you want to search
osass1b.txt
enter id that you want to search
1
1,Kaustubh Indulkar,Bhosari,1827937487,kgi@gmail.com
```

```
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
4
enter the file name in which you want to delete
osass1b.txt
enter id that you want to delete
4
data successfully deleted
```

```
1-> Create 2-> View 3-> Insert 4-> Delete 5-> Modify 6->Search 7->Exit
7
Exit
```