#! /bin/bash

it=0

a=1

while [[ $op -lt 7 ]]

do

echo enter the option

echo "1.Creation"

echo "2.Addition"

echo "3.Display"

echo "4.Search"

echo "5.Delete"

echo "6.Modify"

echo "7.exit"

echo "enter your choice:"

read op

word="$op"

case "$word" in

"1")

if [ "$op" == "1" ]

then

echo "enter the name of the book"

read db

touch "$db"

fi

;;

"2")

if [ "$op" == "2" ]

then

echo "in which book do you want to add records"

read db

echo "enter the no of records:"

read n

while [ $it -lt $n ]

do

echo "enter id:"

read id1

echo "enter name:"

read nm

pa1="^[A-Za-z]"

while [[ ! $add =~ $pa ]]

do

echo "enter valid address:"

read add

done

echo "enter address:"

read add

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 "eter 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,$em" >> "$db"

it=`expr $it + 1`

echo "$it record entered"

done

fi

;;

"3")

if [ "$op" == "3" ]

then

echo "enter the name of the book from where data is to be displayed"

read db

cat $db

fi

;;

"4")

if [ "$op" == "4" ]

then

echo "enter name of database from where to search:"

read db

echo "enter email to be search:"

read em1

grep $em1 $db

echo "record found"

else

echo "not found"

fi

;;

"5")

if [ "$op" == "5" ]

then

echo "enter name of database:"

read db

echo "enter id:"

read id1

echo "enter line no. u want to delete:"

read linenumber

for line in `grep -n "$id1" $db`

do

number=`echo "$line" | cut -c1`

#echo $number

if [ $number == $linenumber ]

then

lineRemove="${linenumber}d"

sed -i -e "$lineRemove" $db

echo "record removed"

fi

#echo

cat $db

done

fi

;;

"6")

if [ "$op" == "6" ]

then

echo "enter name of database:"

read db

echo "enter id:"

read id1

echo "enter line u want to modify:"

read linenumber

for line in `grep -n "$id1" "$db"`

do

number=`echo "$line" | cut -c1`

if [ "$number" == "$linenumber" ]

then

echo "what would u like to change"

echo "\"id,name,address,mobile,email\""

read edit

linechange="${linenumber}s"

sed -i -e "$linechange/.\*/$edit/" $db

echo record edited

fi

done

fi

;;

"7")

echo "bye"

;;

\*) echo invalid input

esac

done

/\*output

comp56@comp56:~/Desktop/ti57$ chmod +x assignment1.sh

comp56@comp56:~/Desktop/ti57$ ./assignment1.sh

enter the option

1.Creation

2.Addition

3.Display

4.Search

5.Delete

6.Modify

7.exit

enter your choice:

1

enter the name of the book

abc

enter the option

1.Creation

2.Addition

3.Display

4.Search

5.Delete

6.Modify

7.exit

enter your choice:

2

in which book do you want to add records

abc

enter the no of records:

2

enter id:

101

enter name:

chap1

enter address:

usa

enter phone no.:

9860539406

eter email:

isha@gmail.com

1 record entered

enter id:

102

enter name:

chap2

enter address:

uk

enter phone no.:

9890024524

eter email:

ish@gmail.com

2 record entered

enter the option

1.Creation

2.Addition

3.Display

4.Search

5.Delete

6.Modify

7.exit

enter your choice:

3

enter the name of the book from where data is to be displayed

abc

101,chap1,pune,9860539406,isha@gmail.com

102,chap2,satara,9890024524,umesh@gmail.com

101,chap1,usa,9860539406,isha@gmail.com

102,chap2,uk,9890024524,ish@gmail.com

enter the option

1.Creation

2.Addition

3.Display

4.Search

5.Delete

6.Modify

7.exit

enter your choice:

4

enter name of database from where to search:

abc

enter email to be search:

isha@gmail.com

101,chap1,pune,9860539406,isha@gmail.com

101,chap1,usa,9860539406,isha@gmail.com

record found

enter the option

1.Creation

2.Addition

3.Display

4.Search

5.Delete

6.Modify

7.exit

enter your choice:

5

enter name of database:

abc

enter id:

101

enter line no. u want to delete:

2

101,chap1,pune,9860539406,isha@gmail.com

102,chap2,satara,9890024524,umesh@gmail.com

101,chap1,usa,9860539406,isha@gmail.com

102,chap2,uk,9890024524,ish@gmail.com

101,chap1,pune,9860539406,isha@gmail.com

102,chap2,satara,9890024524,umesh@gmail.com

101,chap1,usa,9860539406,isha@gmail.com

102,chap2,uk,9890024524,ish@gmail.com

enter the option

1.Creation

2.Addition

3.Display

4.Search

5.Delete

6.Modify

7.exit

enter your choice:

6

enter name of database:

abc

enter id:

101

enter line u want to modify:

3

what would u like to change

"id,name,address,mobile,email"

name

record edited

enter the option

1.Creation

2.Addition

3.Display

4.Search

5.Delete

6.Modify

7.exit

enter your choice:

\*/