

CODE:

```
while :
do
clear
echo "Welcome to phone DirectorY"
echo "1. Add a Number"
echo "2. Search Contact"
echo "3. Delete Contact"
echo "4. Display information"
echo "5. Quit"
read -p "Enter your choice: " usr_cmd
clear

case $usr_cmd in
1)echo "Add new contact"
  read -p "Enter name: " name
  echo "Got that!"
  read -p "Enter the Number: " number
  clear
  echo "New contact info:"
  echo "Name: $name. Number: $number"
  echo "$name : $number">>phonedir.log
  echo "saved successfully";;

2)echo "Search Contacts"
  read -p "Enter contact name to search" search_query
  clear
  echo "Serch RESULTS:"
  grep -i $search_query phonedir.log;;

3)echo "DELETE CONTACT"
  read -p "Enter Contact name to be Deleted : " delete_contact
  sed -i -e "/$delete_contact/d" phonedir.log
  echo "DELETE SUCCESSFULLY" ;;

4)echo "PHONE DIRECTORY"
  echo ""
  cat phonedir.log ;;

5)break;;
*)echo "Invalid Option";;
esac;

read -p "Press 5 to Quit..Anything else return to main menu" confirm_exit
if [ $confirm_exit -eq 5]:
then break
fi
done
```

OUTPUT :

CHOOSE MENU :

```
File Edit View Search Terminal Help
Welcome to phone Directory
1. Add a Number
2. Search Contact
3. Delete Contact
4. Display information
5. Quit
Enter your choice: 
```

Add Contact:

```
Add new contact
Enter name: Shashikant
Got that!
Enter the Number: 9762541485
```

Dispaly information :

```
New contact info:
Name: Shashikant. Number: 9762541485
saved successfully
Press 5 to Quit..Anything else return to main menu
```

```
PHONE DIRECTORY

Shashikant : 9762541485
rohit : 346
pradeep : 4637984656
Press 5 to Quit..Anything else return to main menu
```

Searching Contacts :

```
Search Contacts
Enter contact name to search: Rohit
SEARCH RESULTS:
rohit : 346
Press 5 to Quit..Anything else return to main menu
```

Delete Contacts :

```
DELETE CONTACT
Enter Contact name to be Deleted : pradeep
DELETE SUCCESSFULLY
Press 5 to Quit..Anything else return to main menu
```

After deleting contacts :

```
PHONE DIRECTORY

Shashikant : 9762541485
rohit : 346
Press 5 to Quit..Anything else return to main menu
```