

# Introduction

- Project name : **“The Phonebook Application”**
- This project is written in C language. The concept of an array, strings, structures, file management and functions are often used in almost all functions in this project.
- “The Phonebook Application” is a very simple tool that helps the user to perform the functions like : Adding a new contact, View list of existing contacts, modifying a contact and searching a contact.
- Adding new items, viewing , editing and updating, searching for saved contacts and deleting data in the phonebook are the main features of The phonebook application.

```
-----  
*** Welcome to the Phone Book Application ***  
-----
```

```
|| MENU ||
```

```
=====
```

- [1] Add New Contact
- [2] List of Contacts
- [3] Modify Contact
- [4] Search Contact
- [5] Delete Contact
- [6] EXIT

```
=====
```

```
Enter your Selection: █
```

# The Phonebook Application Main Window

## Add New Contact

## Main Window

## List of Contacts

## Modify Contact

## Search Contact

## Delete

# How to Add a New Contact in Phonebook ?

- Enter 1 in the main window of phonebook application.
- You can see the window named as “Add New Contact”.
- Enter your details such as name, mobile number, father name, mother name, gender, E-mail and address.
- After giving such information the completion message appears as “Contact Saved Successfully”.
- Now, you can add another contact by pressing ‘y’ or you can continue to the main window by pressing any key.
- E.g., Here contact of a person named Abhishek is added to the phonebook.

```
*****
*               <-----: Add New Contact :----->               *
*****

Enter details of Contact.

Enter Name : Abhishek

Enter Mobile Number : 6352523227

Enter Father name : Vinitbhai

Enter Mother Name : Arohiben

Enter Sex : Male

Enter E-mail : abhi12@gmail.com

Enter Address : B-12/Manohar Society, Ahmedabad

Contact Saved Successfully.

Press Y to add another contact.

Else press any key to continue:
```

# How to See The List of Contacts in Phonebook?

```
*****
*      <-----: PhoneBook RECORDS :----->      *
*****
```

S.No	Name	MobileNo	FatherName	MotherName	Sex	E-mail	Address
1	Abhishek	6352523227	Vinitbhai	Arohiben	Male	abhi12@gmail.com	B-12/Manohar Society, Ahmedabad
2	Priya	8625252372	Dineshbhai	Palakben	Female	piyu43@gmail.com	Shlok Apartment, Ahmedabad
3	Janvi	6914351822	Harshadbhai	Vinlaben	Female	janvi101@gmail.com	Jogeshwary Society-3, Bharuch
4	Mehul	9099770605	Girishbhai	Snehaben	Male	mehul449@gmail.com	C-37/Ravikiran Society, Rajkot
5	Rajat	9332275453	Kartikbhai	Swetaben	Male	rajat07@gmail.com	Block-A1/Ajay Tenament, Vadodara

Press any key to continue.

- Enter 2 in the main window of phonebook application.
- You can see the window named as “Phonebook Records”.
- In this window, you can see your existing list of contacts.
- Then, you can continue to the main window by pressing any key.

# How to Modify existing Contact in Phonebook ?

```
*****
*               <-----: Modify RECORDS :----->               *
*****

Enter the contact name you want to modify: Abhishek

Enter Name : Abhishek
Enter Mobile Number : 6352523227
Enter Father name : Vinitbhai
Enter Mother Name : Arohiben
Enter Sex : Male
Enter E-mail : abhi12@gmail.com
Enter Address : B-21/Manohar Society, Ahmedabad

Contact modified successfully.
Enter any key to continue :
```

- Enter 3 in the main window of phonebook application.
- You can see the window named as “Modify Records”.
- The message will be appear as “Enter the contact name you want to modify”.
- After that enter the contact name that you want to modify. Then you can edit the details such as name, mobile number, father name, mother name, gender, E-mail and address.
- After giving such information the completion message appears as “Contact modified Successfully”.
- E.g., Here address of Abhishek is changed to “B-21/Manohar Society, Ahmedabad” which was “B-12/Manohar Society, Ahmedabad” before.

## New Modified List

```
*****
*               <-----: PhoneBook RECORDS :----->               *
*****

||-----||
| S.No | Name | MobileNo | FatherName | MotherName | Sex | E-mail | Address |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | Abhishek | 6352523227 | Vinitbhai | Arohiben | Male | abhi12@gmail.com | B-12/Manohar Society, Ahmedabad |
| 2 | Priya | 8625252372 | Dineshbhai | Palakben | Female | piyu43@gmail.com | Shlok Apartment, Ahmedabad |
| 3 | Janvi | 6914351822 | Harshadbhai | Vimlaben | Female | janvi101@gmail.com | Jogeshwary Society-3, Bharuch |
| 4 | Mehul | 9099770605 | Girishbhai | Snehaben | Male | mehul449@gmail.com | C-37/Ravikiran Society, Rajkot |
| 5 | Rajat | 9332275453 | Kartikbhai | Swetaben | Male | rajat07@gmail.com | Block-A1/Ajay Tenament, Vadodara |

Press any key to continue.
```



```
*****
*               <-----: PhoneBook RECORDS :----->               *
*****

||-----||
| S.No | Name | MobileNo | FatherName | MotherName | Sex | E-mail | Address |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | Abhishek | 6352523227 | Vinitbhai | Arohiben | Male | abhi12@gmail.com | B-21/Manohar Society, Ahmedabad |
| 2 | Priya | 8625252372 | Dineshbhai | Palakben | Female | piyu43@gmail.com | Shlok Apartment, Ahmedabad |
| 3 | Janvi | 6914351822 | Harshadbhai | Vimlaben | Female | janvi101@gmail.com | Jogeshwary Society-3, Bharuch |
| 4 | Mehul | 9099770605 | Girishbhai | Snehaben | Male | mehul449@gmail.com | C-37/Ravikiran Society, Rajkot |
| 5 | Rajat | 9332275453 | Kartikbhai | Swetaben | Male | rajat07@gmail.com | Block-A1/Ajay Tenament, Vadodara |

Press any key to continue.
```



# How to Search existing Contact in Phonebook ?

- Enter 4 in the main window of phonebook application.
- You can see the window named as “Search Contact”.
- The message will be appear as “Enter the contact name”.
- Enter the name of person that you want to search. Then, You will get information such as name, mobile number, father name, mother name, gender, E-mail and address of that person.
- Now, you can continue to the main window by pressing any key.
- E.g., Here person named Priya is searched.

```
*****
*          <-----: Search Contact :----->          *
*****

Enter the contact name: Priya

Contact Name : Priya

Mobile Number : 8625252372

Father name : Dineshbhai

Mother Name : Palakben

Sex : Female

E-mail : piyu43@gmail.com

Address : Shlok Apartment, Ahmedabad

Press any key to continue. █
```

# How to Delete existing Contact in Phonebook ?

```
*****
*               <-----: Delete Contact :----->               *
*****

Enter contact name to be deleted: Rajat

Contact deleted successfully.

Press any key to continue.
```

- Enter 5 in the main window of phonebook application.
- You can see the window named as “Delete Contact”.
- The message will be appear as “Enter the contact name to be deleted”.
- Enter the contact name that you want to delete.
- After giving contact name the completion message appears as “Contact deleted Successfully”.
- You can continue to the main window by pressing any key.
- E.g., Here contact of a person named Rajat is deleted from the phonebook.

## New List After Contact Deletion

```
*****
*          <-----: PhoneBook RECORDS :----->          *
*****

||-----|| | | | | |
| S.No   | Name   | MobileNo | FatherName | MotherName | Sex   | E-mail   | Address                                     |
||-----||
| 1      | Abhishek | 6352523227 | Vinitbhai | Arohiben   | Male  | abhi12@gmail.com | B-21/Manohar Society, Ahmedabad |
| 2      | Priya   | 8625252372 | Dineshbhai | Palakben   | Female | piyu43@gmail.com | Shlok Apartment, Ahmedabad |
| 3      | Janvi   | 6914351822 | Harshadbhai | Vimlaben   | Female | janvi101@gmail.com | Jogeshwary Society-3, Bharuch |
| 4      | Mehul   | 9099770605 | Girishbhai | Snehaben   | Male  | mehul449@gmail.com | C-37/Ravikiran Society, Rajkot |
| 5      | Rajat   | 9332275453 | Kartikbhai | Swetaben   | Male  | rajat07@gmail.com | Block-AI/Ajay Tenament, Vadodara |
||-----||

Press any key to continue.
```



```
*****
*          <-----: PhoneBook RECORDS :----->          *
*****

||-----|| | | | | |
| S.No   | Name   | MobileNo | FatherName | MotherName | Sex   | E-mail   | Address                                     |
||-----||
| 1      | Abhishek | 6352523227 | Vinitbhai | Arohiben   | Male  | abhi12@gmail.com | B-21/Manohar Society, Ahmedabad |
| 2      | Priya   | 8625252372 | Dineshbhai | Palakben   | Female | piyu43@gmail.com | Shlok Apartment, Ahmedabad |
| 3      | Janvi   | 6914351822 | Harshadbhai | Vimlaben   | Female | janvi101@gmail.com | Jogeshwary Society-3, Bharuch |
| 4      | Mehul   | 9099770605 | Girishbhai | Snehaben   | Male  | mehul449@gmail.com | C-37/Ravikiran Society, Rajkot |
||-----||

Press any key to continue.
```

# How to Exit From Phonebook Application?

```
-----  
*** Welcome to the Phone Book Application ***  
-----
```

```
|| MENU ||
```

```
=====
```

```
[1] Add New Contact
```

```
[2] List of Contacts
```

```
[3] Modify Contact
```

```
[4] Search Contact
```

```
[5] Delete Contact
```

```
[6] EXIT
```

```
=====
```

```
Enter your Selection: 10
```

```
Please Enter correct selection: █
```

- By entering 6 in the main window, you can exit from phonebook application.
- In case of wrong selection, the message appear as “Please Enter Correct Selection”.
- Then, you will be able to enter another selection for further process.

***Thank You !***

