Phonebook Menu

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Work description :

1) **Split the work into 3 files , main.c , ahmed.c,ahmed.h.**
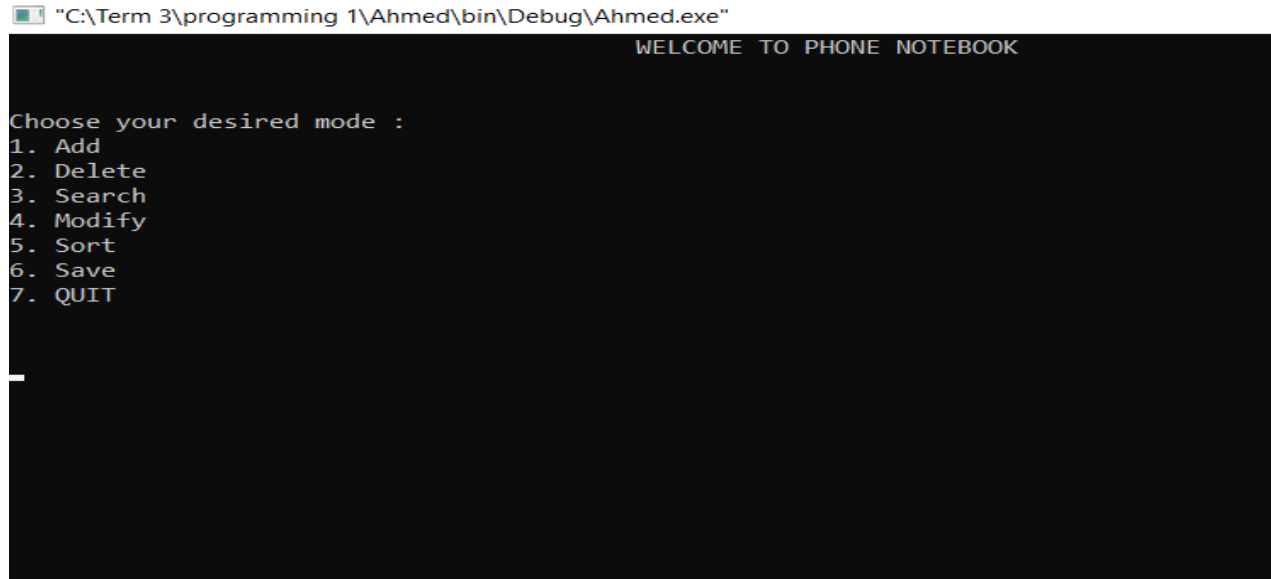
   -Ahmed.c includes the functions :

   - **Menu**
   - **Add**
   - **Search**
   - **Delete**
   - **Modify**
   - **Print (Sort)**
   - **Load**
   - **Save**
   - **Quit**

   -ahmed.h includes :

   - **Structs (Global)**
   - **Prototypes of functions**

Menu function :

Load function :

Load contacts from phonebook.txt file to an array called c1.

Save function :

Print the array in the file phonebook.txt after modifications.

Search function :

Search using last name.

Search using phone number.

```
What do you want to search by??
1. Last name
2. Phone number
```

Add function :

```
Please enter first name    :   Nour
Please enter last name     :   Hazem
Please enter day of birth  :   1
Please enter month of birth :  5
Please enter year of birth :   2000
Please enter address       :   Janaklees Alex
Please enter email         :   nour@gmail.com
Please enter phone number  :   01005474563


Contact added
```

Print (Sort):

Sorting by last name

Sorting by date of birth

Printing

```
What do you want to sort by ??
1. Last name
2. Date Of Birth
3. Print Data

```

Modify function:

We use the search function to find the contact desired in modification. Asking the user for last and first name then allowing the user to modify any data.

```
Please enter the last name you want to modify    :    steve

First name    :  Graves
Last  name    :  Steve
Date of birth :  1/12/1982
Address       :  47 newbury st peabody ma
Email         :  sgraves@yahoo.com
Phone number  :  3046646454

Please confirm the first name   :    graves

What do you want to modify??
1. First name
2. Last Name
3. Day of Birth
4. Month of Birth
5. Year of Birth
6. Address
7. Email
8. Phone
9. Back to Menu
```

Delete function:

Using the search function to find the contact required to delete.

Replacing the contact required to be deleted by the last then decreasing the array by -1 contact.

```
Please enter the last name you want to find

steve

Graves   Steve    1-12-1982        47 newbury st peabody ma         sgraves@yahoo.com        3046646454

Please verify by first name

graves

Contact Deleted
```