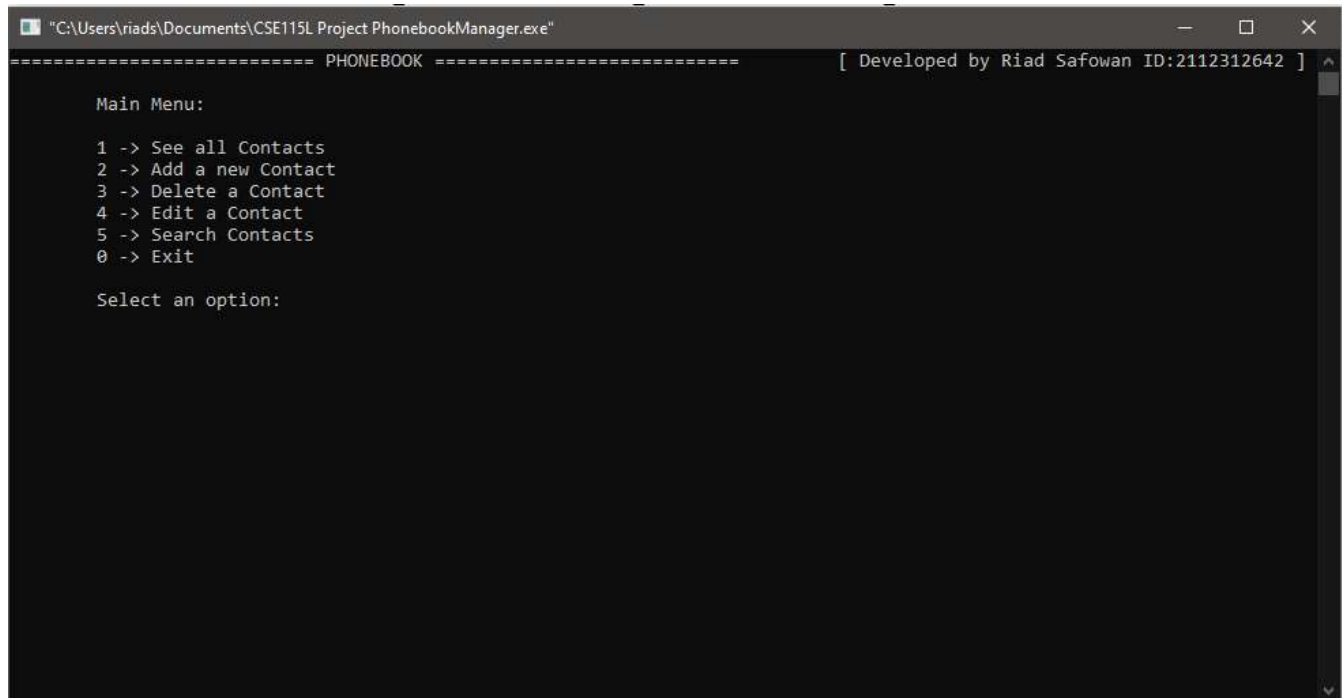


Phonebook Manager

Riad Safowan
ID: 2112312642

Main menu:

A screenshot of a Windows command prompt window titled "C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe". The window displays the main menu of the Phonebook Manager application. The menu is titled "PHONEBOOK" and lists six options: 1 -> See all Contacts, 2 -> Add a new Contact, 3 -> Delete a Contact, 4 -> Edit a Contact, 5 -> Search Contacts, and 0 -> Exit. Below the menu, it prompts the user to "Select an option:". The window also shows a developer credit: "[Developed by Riad Safowan ID:2112312642]".

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"

===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]

Main Menu:

1 -> See all Contacts
2 -> Add a new Contact
3 -> Delete a Contact
4 -> Edit a Contact
5 -> Search Contacts
0 -> Exit

Select an option:
```

You can navigate to all the functions of this app from the main menu. Just pressing a button will take you to the function.

Press -

1. To see all contacts.
2. To add a new contact.
3. To delete a contact.
4. To edit a contact.
5. To search contacts.
6. To exit the application.

See all Contacts:

It shows all the contacts from the file and the list is sorted by their name.

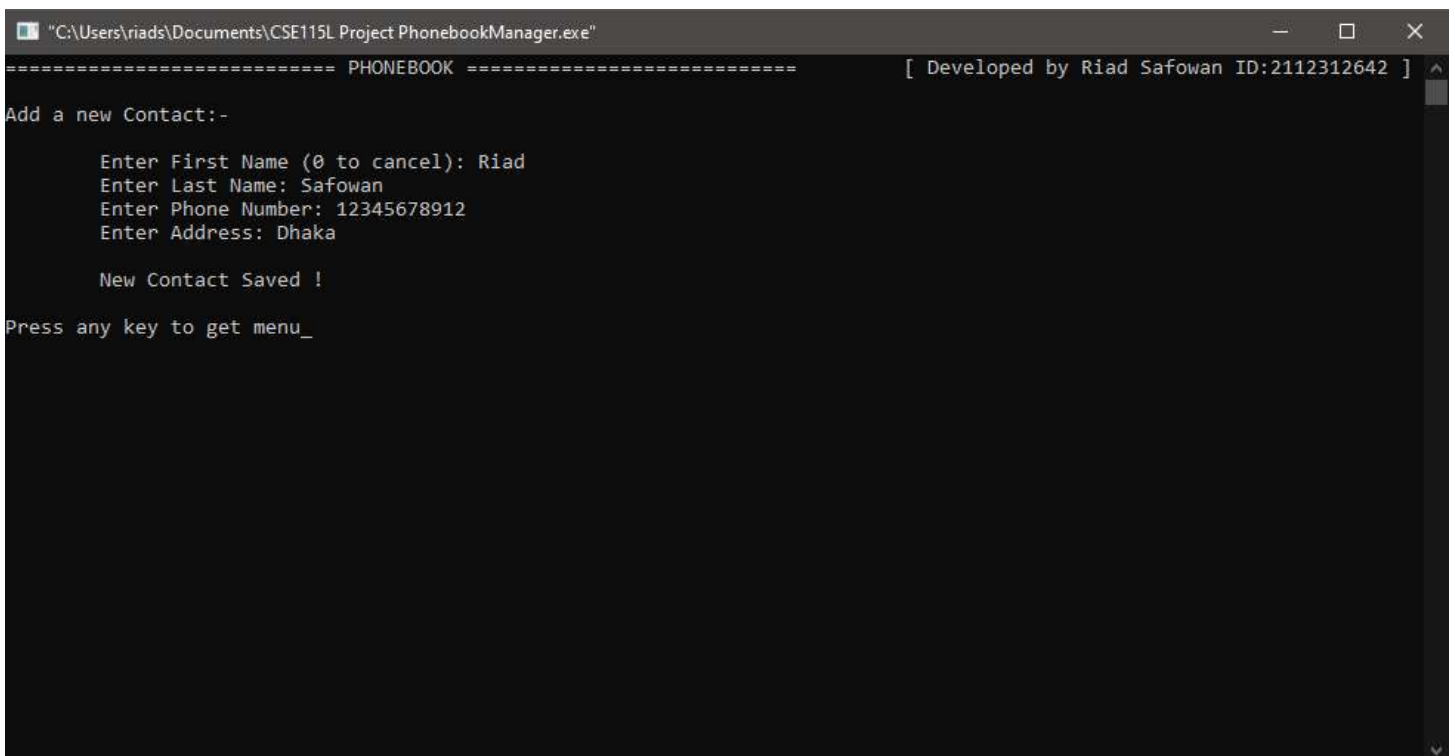
```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ] ^
All Contacts:-
Serial no.  Name                Phone Number  Address
1    Abul Aollah                01327878532  Dhaka
2    Babul Sheikh               01782785375  Kustia
3    Chabul Hawlader            01437537853  Coxbazar
4    Chobul Sheikh              01593838285  Chadpur
5    Chorbul Fakir              01965389896  Feni
6    Cobul Fakir                01494648465  Gopalganj
7    Gabul Mondol               01885378536  Dhaka
8    Corpul Sheikh              01646383563  Dinaipur
9    Gorbul Munshi              01786389656  Dhaka
10   Ingbul Hawlader            01756356363  Dhaka
11   Kabul Fakir                01975377853  Madaripur
12   Kobul Mollah               01527483547  Faridpur
13   Mabul Chowdhuri            01978513122  Dhaka
14   Mokbul Chowdhuri           01374837878  Rajshahi
15   Morbul Mollah              01886538653  Rangpur
16   Nabul Munshi               01634653343  Faridpur
17   Norbul Sheikh              01638969683  Dhaka
18   Pingbul Mondol             01635636365  Bogura
19   Porbul Mollah              01856355355  Barishal
20   Torbul Fakir               01535635635  Dhaka
Press any key to get menu_
```

Add a new contact:

It takes new contact information and saves the contact to a file .

It can check several things like -

1. Whether the contact list is full or not. If it's already full then it won't allow a new contact to be saved.
2. It won't take a blank name.
3. It won't take a name that already exists in the list.
4. It won't take a number if it's not numeric.



```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]
Add a new Contact:-
    Enter First Name (0 to cancel): Riad
    Enter Last Name: Safowan
    Enter Phone Number: 12345678912
    Enter Address: Dhaka
    New Contact Saved !
Press any key to get menu_
```

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]

Add a new Contact:-

Enter First Name (0 to cancel): Riad
Enter Last Name: Safowan

The Name already exist !

Enter First Name (0 to cancel): Safowan
Enter Last Name: Riad
Enter Phone Number: 321asdf321
Please enter a valid phone number
Enter Phone Number: 123456789
Enter Address: Dhaka

New Contact Saved !

Press any key to get menu_
```

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]

All Contacts:-

Serial no.  Name                Phone Number  Address
1   Abul Aollah                01327878532   Dhaka
2   Babul Sheikh               01782785375   Kustia
3   Chabul Hawlader            01437537853   Coxbazar
4   Chobul Sheikh              01593838285   Chadpur
5   Chorbul Fakir              01965389896   Feni
6   Cobul Fakir                01494648465   Gopalganj
7   Corpul Sheikh              01646383563   Dinajpur
8   Gabul Mondol               01885378536   Dhaka
9   Gorbul Munshi              01786389656   Dhaka
10  Ingbul Hawlader            01756356363   Dhaka
11  Kabul Fakir                01975377853   Madaripur
12  Kobul Mollah               01527483547   Faridpur
13  Mabul Chowdhuri            01978513122   Dhaka
14  Mokbul Chowdhuri           01374837878   Rajshahi
15  Morbul Mollah              01886538653   Rangpur
16  Nabul Munshi               01634653343   Faridpur
17  Norbul Sheikh              01638969683   Dhaka
18  Pingbul Mondol             01635636365   Bogura
19  Porbul Mollah              01856355355   Barishal
20  Riad Safowan               12345678912   Dhaka
21  Safowan Riad               123456789     Dhaka
22  Torbul Fakir               01535635635   Dhaka

Press any key to get menu_
```

Delete a contact:

It deletes a contact from the list. It can also delete all contacts at once.

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]
Delete a contact:-

Serial no.  Name                Phone Number  Address
1   Abul Aollah                01327878532  Dhaka
2   Babul Sheikh               01782785375  Kustia
3   Chabul Hawlader            01437537853  Coxbazar
4   Chobul Sheikh              01593838285  Chadpur
5   Cobul Fakir                01494648465  Gopalganj
6   Corpul Sheikh              01646383563  Dinajpur
7   Gabul Mondol               01885378536  Dhaka
8   Gorbul Munshi              01786389656  Dhaka
9   Ingbul Hawlader            01756356363  Dhaka
10  Kabul Fakir                 01975377853  Madaripur
11  Kobul Mollah                01527483547  Faridpur
12  Mabul Chowdhuri             01978513122  Dhaka
13  Mokbul Chowdhuri            01374837878  Rajshahi
14  Morbul Mollah               01886538653  Rangpur
15  Nabul Munshi                01634653343  Faridpur
16  Norbul Sheikh               01638969683  Dhaka
17  Pingbul Mondol              01635636365  Bogura
18  Porbul Mollah               01856355355  Barishal
19  Riad Safowan                12345678912  Dhaka
20  Safowan Riad                123456789   Dhaka
21  Torbul Fakir                01535635635  Dhaka

Select a serial no. to delete (0 to back , -1 to delete all):
```

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]

Abul Aollah has been deleted !

All Contacts:-

Serial no.  Name                Phone Number    Address
1   Babul Sheikh                01782785375     Kustia
2   Chabul Hawlader              01437537853     Coxbazar
3   Chobul Sheikh                01593838285     Chadpur
4   Cobul Fakir                  01494648465     Gopalganj
5   Corpul Sheikh                01646383563     Dinajpur
6   Gabul Mondol                 01885378536     Dhaka
7   Gorbul Munshi                01786389656     Dhaka
8   Ingbul Hawlader              01756356363     Dhaka
9   Kabul Fakir                  01975377853     Madaripur
10  Kobul Mollah                  01527483547     Faridpur
11  Mabul Chowdhuri              01978513122     Dhaka
12  Mokbul Chowdhuri             01374837878     Rajshahi
13  Morbul Mollah                 01886538653     Rangpur
14  Nabul Munshi                  01634653343     Faridpur
15  Norbul Sheikh                 01638969683     Dhaka
16  Pingbul Mondol                01635636365     Bogura
17  Porbul Mollah                 01856355355     Barishal
18  Riad Safowan                  12345678912     Dhaka
19  Safowan Riad                  123456789       Dhaka
20  Torbul Fakir                  01535635635     Dhaka

Press any key to get menu_
```

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]

All contacts have been deleted !

Contact list empty !

Press any key to get menu_
```

Edit a contact:

It can edit a specific contact information.

While inserting new data it can check things like -

1. It won't take a blank name.
2. It won't take a name that already exists.
3. It won't take a number if it's not numeric.
4. After editing it sets the serial no by sorting the list.

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ] ^
Edit a contact:-

Serial no.  Name                Phone Number  Address
-----
1   Abul Mollah                01327878532   Dhaka
2   Babul Sheikh               01782785375   Kustia
3   Chabul Hawlader            01437537853   Coxbazar
4   Chobul Sheikh              01593838285   Chadpur
5   Chorbul Fakir              01965389896   Feni
6   Cobul Fakir                01494648465   Gopalganj
7   Corpul Sheikh              01646383563   Dinajpur
8   Gabul Mondol               01885378536   Dhaka
9   Gorbul Munshi              01786389656   Dhaka
10  Ingbul Hawlader            01756356363   Dhaka
11  Kabul Fakir                01975377853   Madaripur
12  Kobul Mollah               01527483547   Faridpur
13  Mabul Chowdhuri            01978513122   Dhaka
14  Mokbul Chowdhuri           01374837878   Rajshahi
15  Morbul Mollah              01886538653   Rangpur
16  Nabul Munshi               01634653343   Faridpur
17  Norbul Sheikh              01638969683   Dhaka
18  Pingbul Mondol             01635636365   Bogura
19  Porbul Mollah              01856355355   Barishal
20  Torbul Fakir               01535635635   Dhaka

Select a serial no. to edit (0 to back): 1
```



```
"C:\Users\riad\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]

Edit a contact:-

Serial no.  Name                Phone Number    Address
1   Abul Mollah                01327878532    Dhaka
2   Babul Sheikh               01782785375    Kustia
3   Chabul Hawlader            01437537853    Coxbazar
4   Chobul Sheikh              01593838285    Chadpur
5   Chorbul Fakir              01965389896    Feni
6   Cobul Fakir                01494648465    Gopalganj
7   Corpul Sheikh              01646383563    Dinajpur
8   Gabul Mondol               01885378536    Dhaka
9   Gorbul Munshi              01786389656    Dhaka
10  Ingbul Hawlader            01756356363    Dhaka
11  Kabul Fakir                01975377853    Madaripur
12  Kobul Mollah               01527483547    Faridpur
13  Mabul Chowdhuri            01978513122    Dhaka
14  Mokbul Chowdhuri           01374837878    Rajshahi
15  Morbul Mollah              01886538653    Rangpur
16  Nabul Munshi               01634653343    Faridpur
17  Norbul Sheikh              01638969683    Dhaka
18  Pingbul Mondol             01635636365    Bogura
19  Porbul Mollah              01856355355    Barishal
20  Torbul Fakir               01535635635    Dhaka

Select a serial no. to edit (0 to back): 1
Enter First Name : Riad
Enter Last Name: Safowan
Enter Phone Number: 01315654654
Enter Address: Dhaka
```

```
"C:\Users\riad\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]

Abul Mollah has been edited !

All Contacts

Serial no.  Name                Phone Number    Address
1   Porbul Mollah              01856355355    Barishal
2   Babul Sheikh               01782785375    Kustia
3   Chabul Hawlader            01437537853    Coxbazar
4   Chobul Sheikh              01593838285    Chadpur
5   Chorbul Fakir              01965389896    Feni
6   Cobul Fakir                01494648465    Gopalganj
7   Corpul Sheikh              01646383563    Dinajpur
8   Gabul Mondol               01885378536    Dhaka
9   Gorbul Munshi              01786389656    Dhaka
10  Ingbul Hawlader            01756356363    Dhaka
11  Kabul Fakir                01975377853    Madaripur
12  Kobul Mollah               01527483547    Faridpur
13  Mabul Chowdhuri            01978513122    Dhaka
14  Mokbul Chowdhuri           01374837878    Rajshahi
15  Morbul Mollah              01886538653    Rangpur
16  Nabul Munshi               01634653343    Faridpur
17  Norbul Sheikh              01638969683    Dhaka
18  Pingbul Mondol             01635636365    Bogura
19  Riad Safowan               01315654654    Dhaka
20  Torbul Fakir               01535635635    Dhaka

Press any key to get menu_
```


Search contacts:

It can search contacts by Name , Phone number or address.
And it is not even case sensitive.

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]
Search Contacts:-
Enter Name or Phone Number or Address (0 to back): riad safowan
Serial no.  Name          Phone Number  Address
          19 Riad Safowan  01315654654  Dhaka
Press any key to get menu_
```

```
"C:\Users\riads\Documents\CSE115L Project PhonebookManager.exe"
===== PHONEBOOK ===== [ Developed by Riad Safowan ID:2112312642 ]
Search Contacts:-
Enter Name or Phone Number or Address (0 to back): dhaka
Serial no.  Name          Phone Number  Address
          8 Gabul Mondol  01885378536  Dhaka
          9 Gorbul Munshi  01786389656  Dhaka
         10 Ingbul Hawlader  01756356363  Dhaka
         13 Mabul Chowdhuri  01978513122  Dhaka
         17 Norbul Sheikh  01638969683  Dhaka
         19 Riad Safowan  01315654654  Dhaka
         20 Torbul Fakir  01535635635  Dhaka
Press any key to get menu_
```