**Read Me**

**Program Description:**

This program will give you all the options that you need in order to create a simple phonebook from scratch. It is a database of 3 categories: name, address, and number.

**Using the program:**

This program is a simple database maker. It will prompt you with all the options that you need in order to make a simple database containing 3 categories: name, address, and number. The options that you are giving are as following;

* Add data
* Clear data
* Display data
* Remove data
* Search data
* Sort data
* Quit the program

Using these given options you will be able to create the database you desire and it can be of any size.

**Test Output:**

Welcome to my phonebook maker!

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>1

Enter the entry name: Michael

Enter the entry address: 650 Chestnut

Enter the entry number: 2248030980

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>1

Enter the entry name: Sam

Enter the entry address: 6600 Crawford

Enter the entry number: 7738123434

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>1

Enter the entry name: Abby

Enter the entry address: 410 Peachtree

Enter the entry number: 8472119875

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Michael 2248030980 650 Chestnut

Sam 7738123434 6600 Crawford

Abby 8472119875 410 Peachtree

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>1

Enter the entry name: John

Enter the entry address: 123 Maple

Enter the entry number: 3129009595

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Michael 2248030980 650 Chestnut

Sam 7738123434 6600 Crawford

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>5

Enter the name, number, or address you wish to search for: abby

Searching for abby...

Search finished, 1 item found:

Name: Number: Address:

Abby 8472119875 410 Peachtree

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>5

Enter the name, number, or address you wish to search for: Michael

Searching for Michael...

Search finished, 1 item found:

Name: Number: Address:

Michael 2248030980 650 Chestnut

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>5

Enter the name, number, or address you wish to search for: Mike

Searching for Mike...

Search finished, 0 items found.

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>5

Enter the name, number, or address you wish to search for: 650 chestnut

Searching for 650 chestnut...

Search finished, 1 item found:

Name: Number: Address:

Michael 2248030980 650 Chestnut

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Michael 2248030980 650 Chestnut

Sam 7738123434 6600 Crawford

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>5

Enter the name, number, or address you wish to search for: 7738123434

Searching for 7738123434...

Search finished, 1 item found:

Name: Number: Address:

Sam 7738123434 6600 Crawford

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Michael 2248030980 650 Chestnut

Sam 7738123434 6600 Crawford

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>6

Sort completed successfully.

Name: Number: Address:

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Michael 2248030980 650 Chestnut

Sam 7738123434 6600 Crawford

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Michael 2248030980 650 Chestnut

Sam 7738123434 6600 Crawford

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>4

Enter the name of the entry you wish to remove: Michael

Removing entry: Michael

Successfully deleted the entry.

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Sam 7738123434 6600 Crawford

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>5

Enter the name, number, or address you wish to search for: Michael

Searching for Michael...

Search finished, 0 items found.

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>1

Enter the entry name: Mike

Enter the entry address: 6021 N Keeler Ave

Enter the entry number: 8472083305

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Sam 7738123434 6600 Crawford

Mike 8472083305 6021 N Keeler Ave

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>6

Sort completed successfully.

Name: Number: Address:

Abby 8472119875 410 Peachtree

John 3129009595 123 Maple

Mike 8472083305 6021 N Keeler Ave

Sam 7738123434 6600 Crawford

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>2

All data has been erased from your phonebook.

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>1

Enter the entry name: Abby

Enter the entry address: 410 Peachtree

Enter the entry number: 8472119875

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Abby 8472119875 410 Peachtree

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>4

Enter the name of the entry you wish to remove: 410 Peachtree

Removing entry: 410 Peachtree

Successfully deleted the entry.

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>3

Name: Number: Address:

Options:

'1' - Add data.

'2' - Clear data.

'3' - Display data.

'4' - Remove data.

'5' - Search data.

'6' - Sort data.

'7' - Quit the program.

>7

Thank you for using my program!