Systems & Biomedical Engineering Department Faculty of Engineering

Cairo University
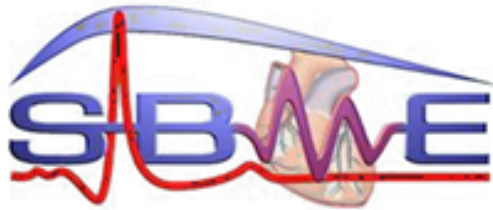
Assignment #2: Phone Book

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Phone Book application main menu:

1) Add new entry:

Add 2nd new entry:

```
■ "E:\4th year\2nd term\electronics_valeo\c programming\Phonebook\phonebook
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 1
Enter Name: nahla mahmoud
Enter Mobile Number: 0100
Enter email_add: nahla@yahoo.com

Contact added.
Press any key to continue . . .
```

2) Display all Entry:

```
■ "E:\4th year\2nd term\electronics_valeo\c programming\Phonebook\phone
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 2
Name: gehad mohamed ahmed ali
Mobile No : 01123141057
email_add : gehad.mohamed887@gmail.com

Name: nahla mahmoud
Mobile No : 0100
email_add : nahla@yahoo.com

Press any key to continue . . .
```

3) Search by Name:

```
"E:\4th year\2nd term\electronics_valeo\c programming\Phonebook\phonebook-r

PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 3
Enter name to search: nahla mahmoud
Name: nahla mahmoud
Mobile No : 0100
email_add : nahla@yahoo.com
Press any key to continue . . .
```

4) Search by mobile number:

```
"E:\4th year\2nd term\electronics_valeo\c programming\Phonebook\phonebook-

PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 4
Enter mobile number to search: 01123141057
Name: gehad mohamed ahmed ali
Mobile No : 01123141057
email_add : gehad.mohamed887@gmail.com
Press any key to continue . . .
```

5) Modify element:

```
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 5
Enter mobile number to modify:01123141057
Enter Name: gehad
Enter Mobile Number: 0111
Enter email_add: gehad@yahoo.com
Press any key to continue . . .
```
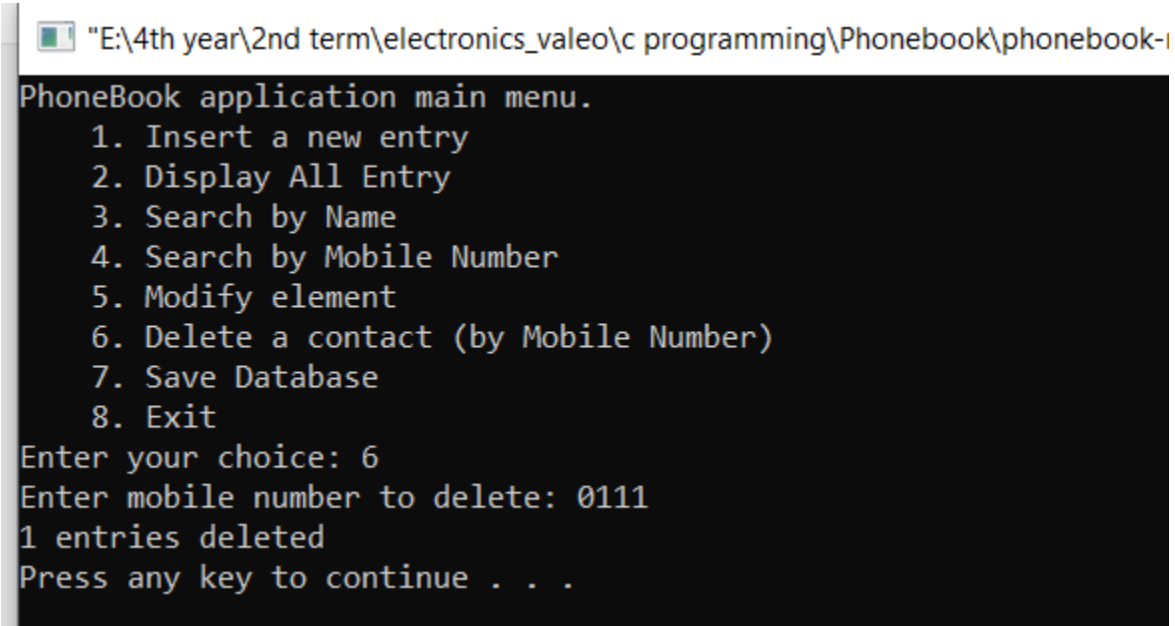
Display all entries after modification:

```
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 2
Name: gehad
Mobile No : 0111
email_add : gehad@yahoo.com

Name: nahla mahmoud
Mobile No : 0100
email_add : nahla@yahoo.com

Press any key to continue . . .
```
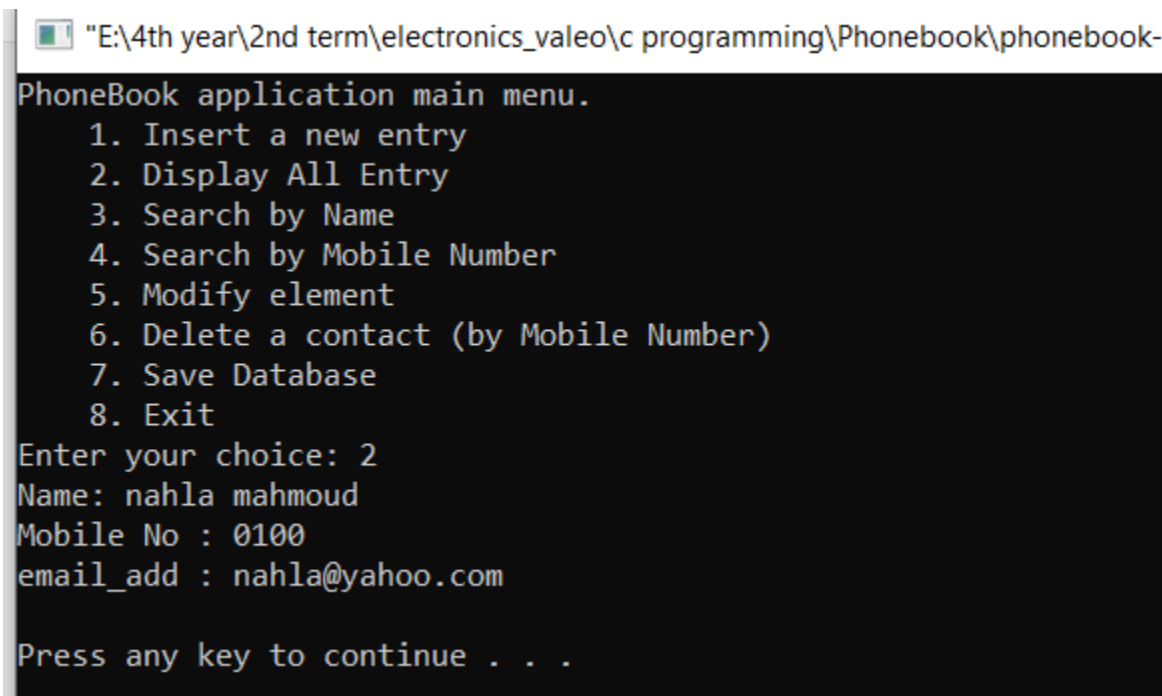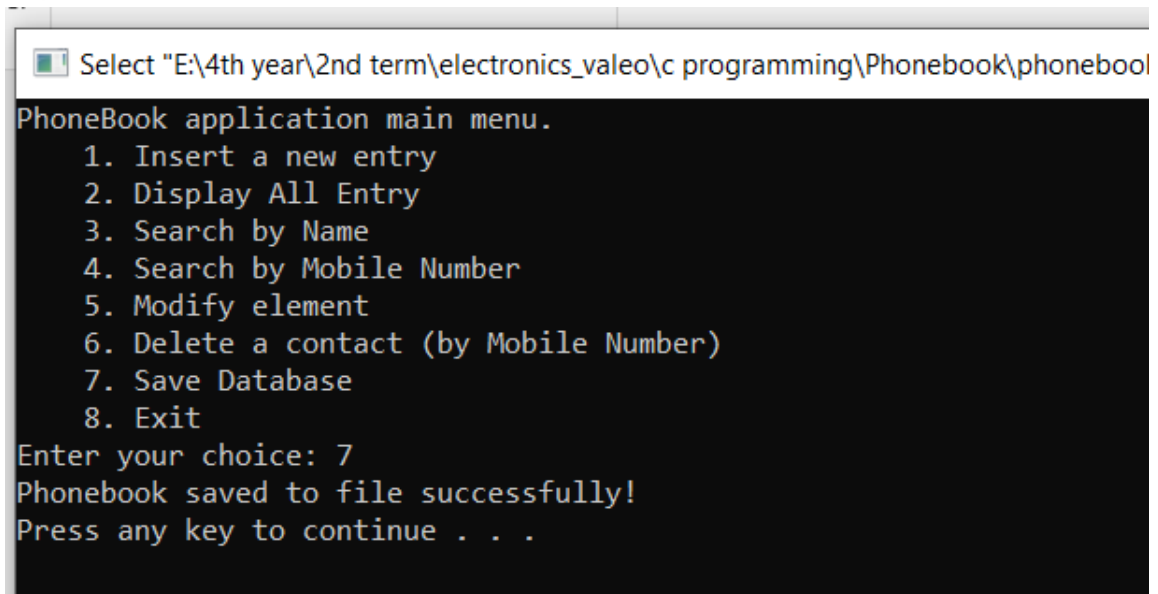
6) Delete a contact:

```
"E:\4th year\2nd term\electronics_valeo\c programming\Phonebook\phonebook-
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 6
Enter mobile number to delete: 0111
1 entries deleted
Press any key to continue . . .
```

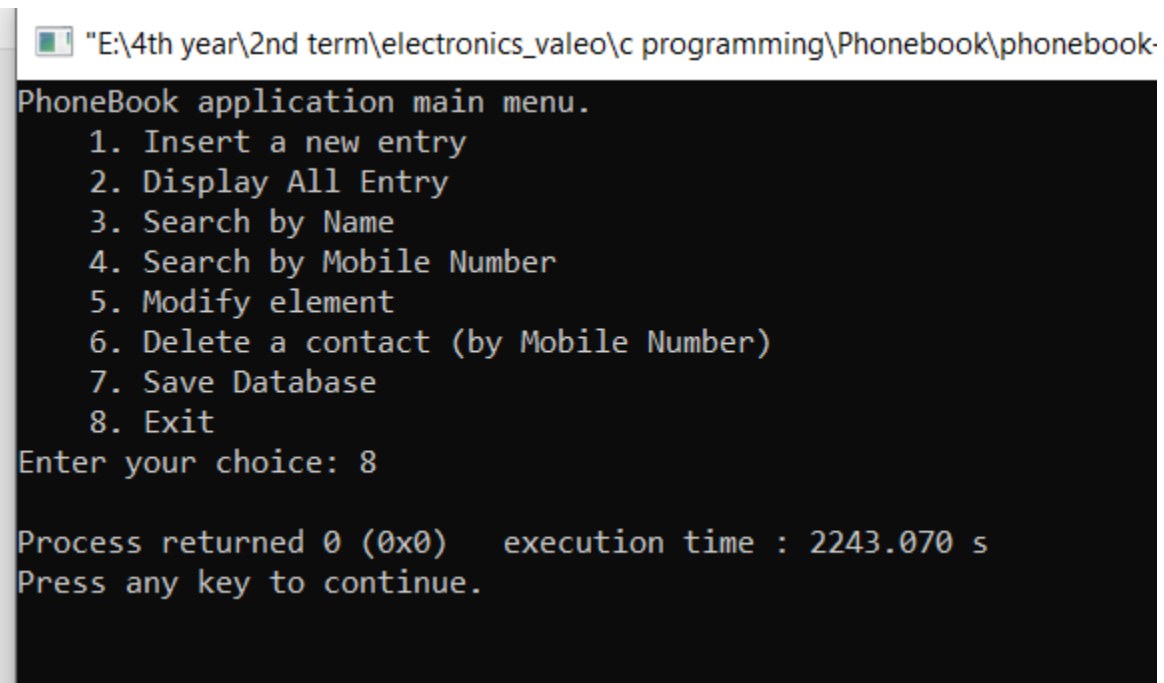## Display all entries after deletion of one contact:

```
"E:\4th year\2nd term\electronics_valeo\c programming\Phonebook\phonebook-
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 2
Name: nahla mahmoud
Mobile No : 0100
email_add : nahla@yahoo.com

Press any key to continue . . .
```
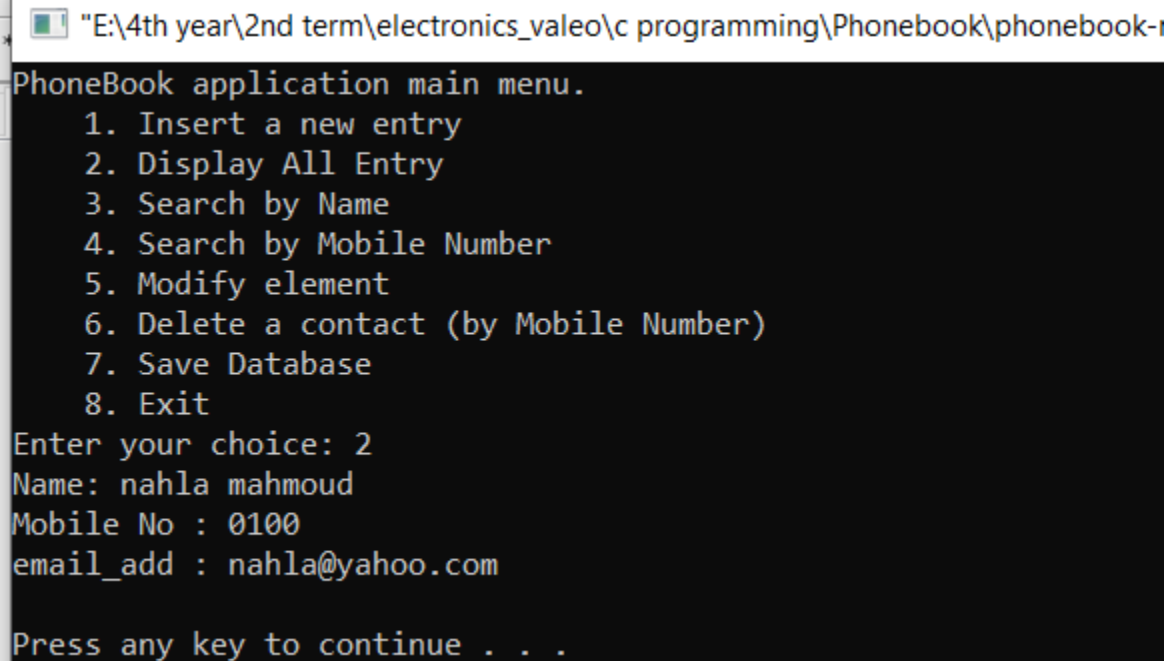
7) Save contents in a database:

```
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 7
Phonebook saved to file successfully!
Press any key to continue . . .
```

8) Exit:

```
PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 8

Process returned 0 (0x0)   execution time : 2243.070 s
Press any key to continue.
```

Display saved database after Exit:

```
"E:\4th year\2nd term\electronics_valeo\c programming\Phonebook\phonebook-

PhoneBook application main menu.
    1. Insert a new entry
    2. Display All Entry
    3. Search by Name
    4. Search by Mobile Number
    5. Modify element
    6. Delete a contact (by Mobile Number)
    7. Save Database
    8. Exit
Enter your choice: 2
Name: nahla mahmoud
Mobile No : 0100
email_add : nahla@yahoo.com

Press any key to continue . . .
```