

Mini Phone Book

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➤ Source code

• Main Module: Mini book

```
import menu
import db_connection
while True:
    print("\t\t\t MINI PHONE CONTACT BOOK\n")
    print("1.you want to ment anything in phone book???)")
    print("2.Exit")
    choice=int(input("enter choice 1 or 2:"))
    if choice==1:
        menu.phonebook()
    elif choice==2:
        break
```

➤ Menu

```
import db_connection
def phonebook():
    while True:
        print("\t\t\t MINI PHONE BOOK\n")
        print("-----")
        print("1.Add a phone number:")
        print("2.Display the phone book:")
        print("3.Search a phone numer:")
        print("4.Delete a phone contact:")
        print("5.Update phone contact:")
        print("6.exit")
        print("-----")
        choice=int(input("enter ur choice between 1 to 6 :"))
```

```
if choice == 1:
    db_connection.insert_data()
elif choice == 2:
    db_connection.display()
elif choice == 3:
    db_connection.search_contact_list()
elif choice == 4:
    db_connection.delete_contact()
elif choice == 5:
    db_connection.update_contact()
elif choice == 6:
    break
else:
    print("opps!!,wrong choice")
    x=input("enter any key to contact")
```

➤ db connection

```
import mysql.connector as sqltor
```

```
def display():
```

```
cnx=sqltor.connect(host="localhost",user="root",passwd="root",database="t
anu")
```

```
    cursor=cnx.cursor()
```

```
    query=("select * from phone2")
```

```
    cursor.execute(query)
```

```
    data = cursor.fetchall()
```

```
    for row in data:
```

```
        print(row)
```

```
    for(Name,phone_contact,contact_id)in cursor:
```

```
        print("\n")
```

```
        print("Contact_Name:",Name)
```

```
        print("Contact_Number of",phone_contact)
```

```
        print("Id:",contact_id)
```

```
        print("\n")
```

```
cursor.close()
cnx.close()
print("u have done it ^w^ ")
```

```
def insert_data():
```

```
cnx=sqltor.connect(host="localhost",user="root",passwd="root",database="t
anu")
```

```
    cursor=cnx.cursor()
```

```
    Name=input("enter Name with initial:")
```

```
    phone_contact=int(input("enter contact number:"))
```

```
    contact_id=int(input("enter the contact id:"))
```

```
    qry=("insert into phone2 values(%s,%s,%s)")
```

```
    data=(Name,phone_contact,contact_id,)
```

```
    cursor.execute(qry,data)
```

```
    cnx.commit()
```

```
    cursor.close()
```

```
    cnx.close()
```

```
    print("record inserted ^w^")
```

```
def delete_contact():
```

```
cnx=sqltor.connect(host="localhost",user="root",passwd="root",database="t
anu")
```

```
    cursor=cnx.cursor()
```

```
    contact_id=int(input("enter the contact id you want to delete:"))
```

```
    qry=("delete from phone2 where contact_id=%s;")
```

```
    del_rec=(contact_id,)
```

```
    cursor.execute(qry,del_rec)
```

```
    cnx.commit()
```

```
    cursor.close()
```

```
    cnx.close()
```

```
    print("deleted succesfully *-*)")
```

```
def search_contact_list():
```

```
cnx=sqltor.connect(host="localhost",user="root",passwd="root",database="t
anu")
```

```

cursor=cnx.cursor()
contact_id=int(input("enter the contact id you want to search:"))
qry=("select * from phone2 where contact_id=%s")
rec_srch=(contact_id,)
cursor.execute(qry,rec_srch)
data = cursor.fetchone()
count=cursor.rowcount
for(Name,phone_contact,contact_id)in cursor:
    print("\n")
    print("Contact_Name:",Name)
    print("Contact_Number:",phone_contact)
    print("contact_id:",contact_id)
    print("\n")
print(data,"record found *-*")
cnx.commit()
cursor.close()
cnx.close()

```

def update_contact():

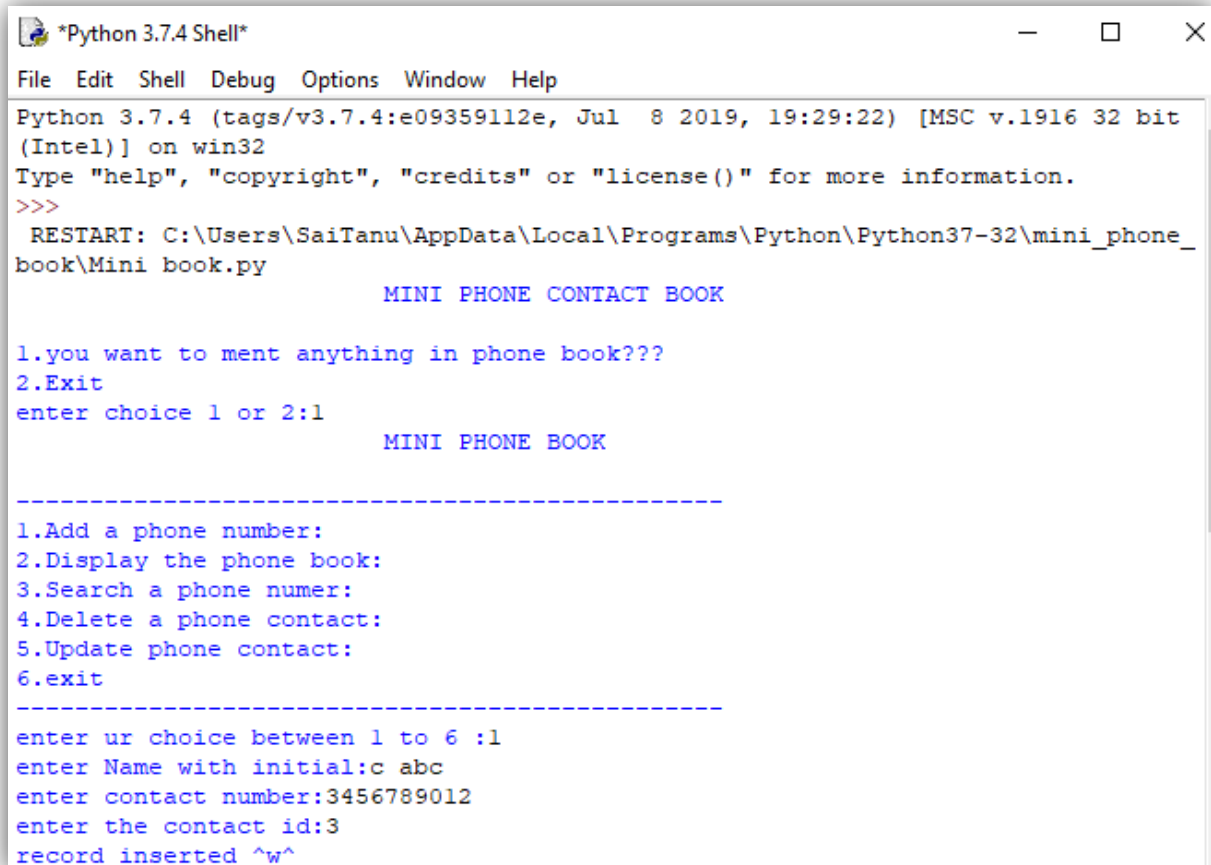
```

    cnx =
sqltor.connect(host="localhost",user="root",passwd="root",database="tanu
")
    cursor=cnx.cursor(buffered=True)
    contact_id=int(input("enter the id where u want to edit the number:"))
    query=("select * from phone2 where contact_id=%s")
    rec_srch=(contact_id,)
    print("enter new contact details")
    phone_contact=int(input("enter the contact_number:"))
    qry=("update phone2 set phone_contact={} where
contact_id={}".format(phone_contact,contact_id))
    cursor.execute(qry)
    print("success")
    cnx.commit()
    cursor.close()

```

`cnx.close()`

➤ Output:



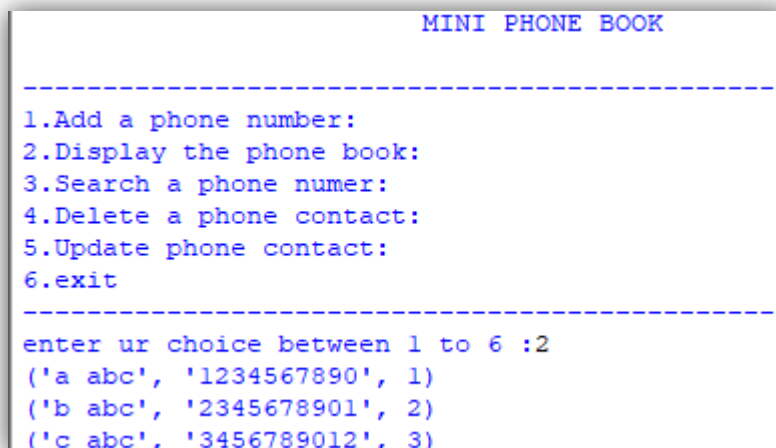
```
*Python 3.7.4 Shell*
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit
(Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:\Users\SaiTanu\AppData\Local\Programs\Python\Python37-32\mini_phone_
book\Mini book.py

                MINI PHONE CONTACT BOOK

1.you want to ment anything in phone book???
2.Exit
enter choice 1 or 2:1

                MINI PHONE BOOK

-----
1.Add a phone number:
2.Display the phone book:
3.Search a phone numner:
4.Delete a phone contact:
5.Update phone contact:
6.exit
-----
enter ur choice between 1 to 6 :1
enter Name with initial:c abc
enter contact number:3456789012
enter the contact id:3
record inserted ^w^
```



```
                MINI PHONE BOOK

-----
1.Add a phone number:
2.Display the phone book:
3.Search a phone numner:
4.Delete a phone contact:
5.Update phone contact:
6.exit
-----
enter ur choice between 1 to 6 :2
('a abc', '1234567890', 1)
('b abc', '2345678901', 2)
('c abc', '3456789012', 3)
```

MINI PHONE BOOK

-
- 1.Add a phone number:
 - 2.Display the phone book:
 - 3.Search a phone number:
 - 4.Delete a phone contact:
 - 5.Update phone contact:
 - 6.exit
-

enter ur choice between 1 to 6 :3
enter the contact id you want to search:3
('c abc', '3456789012', 3) record found *-*

MINI PHONE BOOK

-
- 1.Add a phone number:
 - 2.Display the phone book:
 - 3.Search a phone number:
 - 4.Delete a phone contact:
 - 5.Update phone contact:
 - 6.exit
-

enter ur choice between 1 to 6 :4
enter the contact id you want to delete:3
deleted succesfully *-*

MINI PHONE BOOK

-
- 1.Add a phone number:
 - 2.Display the phone book:
 - 3.Search a phone number:
 - 4.Delete a phone contact:
 - 5.Update phone contact:
 - 6.exit
-

enter ur choice between 1 to 6 :2
('a abc', '1234567890', 1)
('b abc', '2345678901', 2)

MINI PHONE BOOK

- 1.Add a phone number:
- 2.Display the phone book:
- 3.Search a phone number:
- 4.Delete a phone contact:
- 5.Update phone contact:
- 6.exit

enter ur choice between 1 to 6 :5
enter the id where u want to edit the number:2
enter new contact details
enter the contact_number:1098765432
success

MINI PHONE BOOK

- 1.Add a phone number:
- 2.Display the phone book:
- 3.Search a phone number:
- 4.Delete a phone contact:
- 5.Update phone contact:
- 6.exit

enter ur choice between 1 to 6 :2
('a abc', '1234567890', 1)
('b abc', '1098765432', 2)

MINI PHONE BOOK

- 1.Add a phone number:
- 2.Display the phone book:
- 3.Search a phone number:
- 4.Delete a phone contact:
- 5.Update phone contact:
- 6.exit

enter ur choice between 1 to 6 :6
MINI PHONE CONTACT BOOK

- 1.you want to ment anything in phone book???
 - 2.Exit
- enter choice 1 or 2:2
>>> |