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|  | **Phone BookApplication** |  |
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A contact book is a database used to store entries related to a person’s contacts like a phone number, email address, etc.

Python Phone book Program uses file to provide the following functions: 1 You can add new contact records 2 It will display all the contact records stored already 3 Search function will provide you the searching option to search any of the stored contacts from the phone book.

This code is made with the help of python programming language by dictionary data type. The code has conditions which gives an output when satisfied. The output is all about getting inputs from the user which is stored and displayed on giving the respective condition.

**Code**

def print\_menu():

print('1. Print Phone Numbers')

print('2. Add a Phone Number')

print('3. Remove a Phone Number')

print('4. Search a Phone Number')

print('5. Quit')

print()

numbers = {}

menu\_choice = 0

print\_menu()

while menu\_choice != 5:

menu\_choice = int(input("Type in a number (1-5): "))

if menu\_choice == 1:

print("Telephone Numbers:")

for x in numbers.keys():

print("Name: ", x, "\tNumber:", numbers[x],"e-mail: ", email[x])

print()

elif menu\_choice == 2:

print("Add Name,Number,E-mail")

name = input("Name: ")

phone = input("Number: ")

email = input("E-mail:")

numbers[name] = phone

elif menu\_choice == 3:

print("Remove Name and Number,E-mail")

name = input("Name: ")

if name in numbers:

del numbers[name]

else:

print(name, "was not found")

elif menu\_choice == 4:

print("Lookup Number")

name = input("Name: ")

if name in numbers:

print("The number is", numbers[name])

else:

print(name, "was not found")

elif menu\_choice != 5:

print\_menu()

**OUTPUT**

1. Print Phone Numbers

2. Add a Phone Number

3. Remove a Phone Number

4. Search a Phone Number

5. Quit

Type in a number (1-5): 2

Add Name,Number,E-mail

Name: Adlin

Number: 8898687128

E-mail:adlin@gmail.com

Type in a number (1-5): 2

Add Name,Number,E-mail

Name: Jordan

Number: 7766553421

E-mail:jordan.12@gmail.com

Type in a number (1-5): 2

Add Name,Number,E-mail

Name: Maxon

Number: 7788999876

E-mail:maxon\_m@gmail.com

Type in a number (1-5): 3

Remove Name and Number, E-mail

Name: Adlin

Type in a number (1-5): 3

Remove Name and Number, E-mail

Name: Adlin

Adlin was not found

Type in a number (1-5): 4

Lookup Number

Name: Maxon

The number is 7788999876

Type in a number (1-5): 5