

Part 2 – code including comments

Creates an empty dictionary to store the entries in

```
phone_book = {}
```

Repeats this loop until they exit

```
while True:
```

```
    # Print the menu options
```

```
    print("Menu options")
```

```
    print("  1 - Add Contact")
```

```
    print("  2 - Search Contact")
```

```
    print("  3 - Delete Contact")
```

```
    print("  4 - Quit Application")
```

```
    choice = input("Enter an option: ")
```

```
    # Add contact
```

```
    if choice == '1':
```

```
        name = str(input('Name: ')) # user inputs the name e.g. Michael Flower
```

```
        age = int(input('Age: ')) # user inputs the age e.g. 27
```

```
        phone_number = input('Telephone Number: ') # user inputs number e.g. 07324236457
```

```
        phone_book[name] = age, phone_number # user input is now stored on application
```

```
    # Search contact
```

```
    elif choice == '2':
```

```
        name = str(input('Name of contact: ')) # user inputs the name e.g. Michael Flower
```

```
        print("Their age and phone number is: ",phone_book[name]) # age and number is now  
        # outputted e.g. Their age and phone number is: 27, 07324236457
```

```
    # Delete contact
```

```
    elif choice == '3':
```

```
        name = input('Name: ') # user inputs the name e.g. Michael Flower
```

```
        del phone_book[name] # contact details of e.g. Michael Flower, 27, 07324236457 is  
        # removed
```

```
    # Quit application
```

```
    elif choice == '4':
```

```
        # exit the loop
```

```
        break
```

```
    else:
```

```
        print("click on a number 1-4 ") #Prompts user to enter a number between 1-4 if they are  
        # clicking on a different number or typing letters to make choice while in main menu
```