Class Exercise:

Contact list

Exercise Description:

In this exercise, we will work with dictionary operations and methods to create a program that manages a contact list. We will use dictionaries to store the contact information, including the name, phone number, and email address.

Your task is to write the code that allows the user to perform the following operations on the contact list:

* Add a new contact.
* Display all contacts.
* Search for a contact by name.
* Update a contact's phone number.
* Remove a contact.

Once you have completed the code, test it by performing the specified operations on the contact list.

# Initialize an empty contact list dictionary

contacts = {}

# Add contacts to the list

# Your code here

# Display all contacts

# Your code here

# Search for a contact by name

# Your code here

# Update a contact's phone number

# Your code here

# Remove a contact

# Your code here

# Display the updated contact list

# Your code here

All Contacts:

Name: John Doe, Phone: 123-456-7890, Email: john@example.com

Name: Jane Smith, Phone: 987-654-3210, Email: jane@example.com

Search Result:

Name: John Doe, Phone: 123-456-7890, Email: john@example.com

Phone number updated successfully.

Contact removed successfully.

Updated Contact List:

Name: Jane Smith, Phone: 555-555-5555, Email: jane@example.com