```java
import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

class Contact {
    private String name;
    private String phoneNumber;
    private String emailAddress;

    public Contact(String name, String phoneNumber, String emailAddress) {
        this.name = name;
        this.phoneNumber = phoneNumber;
        this.emailAddress = emailAddress;
    }

    public String getName() {
        return name;
    }
    public String getPhoneNumber() {
        return phoneNumber;
    }

    public String getEmailAddress() {
        return emailAddress;
    }
    // Other getters and setters for phoneNumber, emailAddress, etc.
}
```

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    public Contact(String name, String phoneNumber, String emailAddress) {
        this.name = name;
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    public String getName() {
        return name;
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    public String getPhoneNumber() {
        return phoneNumber;
    }

    public String getEmailAddress() {
        return emailAddress;
    }
    // Other getters and setters for phoneNumber, emailAddress, etc.
}
```

```java
82        System.out.print("Enter phone number: ");
83        String phoneNumber = scanner.nextLine();
84        System.out.print("Enter email address: ");
85        String emailAddress = scanner.nextLine();
86        Contact newContact = new Contact(name, phoneNumber, emailAddress);
87        addressBook.addContact(newContact);
88        break;
89
90    case 2:
91        System.out.print("Enter name to remove contact: ");
92        String nameToRemove = scanner.nextLine();
93        Contact contactToRemove = addressBook.searchContact(nameToRemove);
94        if (contactToRemove != null) {
95            addressBook.removeContact(contactToRemove);
96            System.out.println("Contact removed.");
97        } else {
98            System.out.println("Contact not found.");
99        }
100        break;
101    case 3:
102        System.out.print("Enter name to search contact: ");
103        String nameToSearch = scanner.nextLine();
104        Contact foundContact = addressBook.searchContact(nameToSearch);
105        if (foundContact != null) {
106            System.out.println("Contact found:");
107            System.out.println("Name: " + foundContact.getName() +
108                ", Phone Number: " + foundContact.getPhoneNumber() +
109                ", Email: " + foundContact.getEmailAddress());
```

input

```
Address Book Menu:
1. Add Contact
2. Remove Contact
3. Search Contact
4. Display All Contacts
5. Exit
Enter your choice: 1
Enter name: abc
Enter phone number: 1234234512
Enter email address: qwe@gmail.com

Address Book Menu:
1. Add Contact
2. Remove Contact
3. Search Contact
4. Display All Contacts
5. Exit
Enter your choice: 4
All Contacts:
Name: abc, Phone Number: 1234234512, Email: qwe@gmail.com

Address Book Menu:
1. Add Contact
2. Remove Contact
3. Search Contact
```