

```

Problem with input/output.
IOException: null
===== FRIENDS LIST =====
Select one of the following options
(1) Display Friends
(2) Add Friend
(3) Remove Friend
(4) Find Friend
(0) Quit Application

```

An unknown catch IOException statement has been generated as the program starts.

```

if(friendsFile.length() > 0)
{
    FileInputStream in = new FileInputStream(friendsFile);
    ObjectInputStream readFriends = new ObjectInputStream(in);
    numFriends = (int)readFriends.readInt();

    if (numFriends == 0)
    {
        System.out.println("There are no existing friend records in your database.");
    }
    else
    {
        for (int i = 0; i < list.size(); i++)
        {
            aFriend = (friend) readFriends.readObject();

            list.add(aFriend); //Now aFriend needs to be added to the ArrayList of friends
        }
    }
    readFriends.close();
}

```

Error was from the friendsDB class because it caught an IOException as the input streams can only be declared and specified if the file is not null.

```

===== FRIENDS LIST =====
Select one of the following options
(1) Display Friends
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(3) Remove Friend
(4) Find Friend
(0) Quit Application

```

Updated output screen.

```
Select one of the following options
(1) Display Friends
(2) Add Friend
(3) Remove Friend
(4) Find Friend
(0) Quit Application
1
```

```
Last Name (0)
First Name (1)0
K, Aryan
aryan@gmail.com
9214488575
```

Just need to ensure the layout is easier to see and consistent throughout.

```
do {
    System.out.println("===== FRIENDS LIST =====");
    System.out.println("Select one of the following options");
    System.out.println("(1) Display Friends\n(2) Add Friend\n(3) Remove Friend\n(4) Find Friend\n(0) Quit Application");

    choice = input.nextInt();

    if (choice == 1)
    {
        System.out.println("\nLast Name (0)\nFirst Name (1)");
        order = input.nextInt();
        friendsList.displayFriends(order);
    }
    else if (choice == 2)
    {
        friendsList.addFriend();
    }
    else if (choice == 3)
    {
        System.out.println("Enter your friend's first name: ");
        firstName = input.next();

        System.out.println("Enter your friend's last name: ");
        lastName = input.next();
        friendsList.deleteFriend(firstName, lastName);
    }
}
```

Made sure print statements were consistently printing on a new line rather than a mix.