COMP 2614 – .NET Windows Application Development in C#

Assignment Two

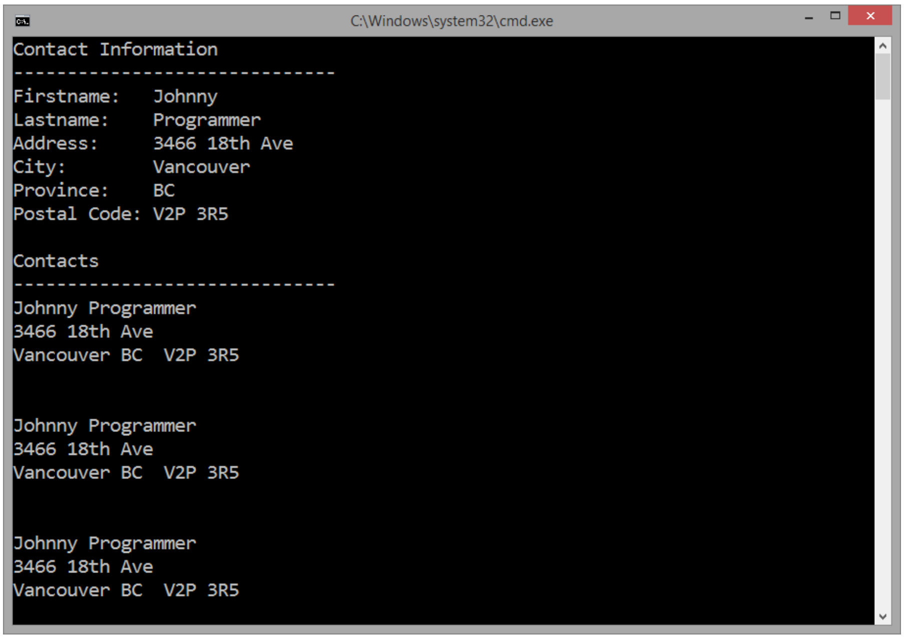
Assignment Date: Week 2
Due Date: Week 3

Assignment Objective

Creating and initializing classes using the various techniques discussed this week.

Your Task

Write a console application that emulates the screen shot shown below. The program creates three instances of a Contact class, adds them to an array and then output the contents to the console. Run the sample program to see how it operates.



```
Contact Information
------------------------------
Firstname:   Johnny
Lastname:    Programmer
Address:     3466 18th Ave
City:        Vancouver
Province:    BC
Postal Code: V2P 3R5

Contacts
------------------------------
Johnny Programmer
3466 18th Ave
Vancouver BC  V2P 3R5


Johnny Programmer
3466 18th Ave
Vancouver BC  V2P 3R5


Johnny Programmer
3466 18th Ave
Vancouver BC  V2P 3R5
```

Details

1) Name your project COMP2614Assign02.

2) Create a class named Contact in a separate source file with the following fields:

   FirstName
   LastName
   Address
   City
   Province
   PostalCode

3) Create property methods for each field

4) Write any appropriate constructor or constructors

5) Override the ToString method to return `LastName, FirstName` (use a composite string)

6) Prompt and collect data from the user into string variables.

7) Use the collected data to create and populate three instances of the Contact class
(all instances will contain the same data)

8) Populate the objects using the three techniques discussed in class this week:
1. For the first object, create an empty object and populate via properties
2. For the second object, call a parameterized constructor
3. For the third object, use the Object Initializer syntax

9) Add the Contact objects to an array

10) Output the contents of the Contact objects by iterating through the array
(check out the foreach loop)

Format the output to Canadian Postal standards:

```
FirstName LastName
Address
City Province  PostalCode
```

(one space between City and Province, two spaces between Province and Postal Code)
(no punctuation)

11) Place the output code in a utility method in a dedicated class (in a separate source file)

For all your code, be sure to:

- Use good spacing
- Comment intelligently

Please Hand In:

1. Zip your entire project and upload the zipped file to the Assign02 Dropbox on D2L.