C#@ACC

ITSE 1330 – C# Program07

General Points

- Use the course material located at:
    - C# @ ACC
- Program07 can be completed using content from the following chapters:
    - Welcome! through Structures & Interfaces
- Create a console application using Visual Studio named Program07.
- Output appropriate results. In other words, all requirements should be output and identified by number.

Requirements

Requirements (these are the requirements to identify by *number*):

1. Output a header in the console: "This is Program07"
2. Create a structure named Phone with the following members:
    a. Phone Number
    b. Manufacturer
    c. Model
    d. Operating System
    e. Diagonal Screen Size
    f. Constructor to set data above
3. Ask the user how many phones to enter and configure appropriately.
4. Create a class named Account with the following members:
    g. Inherits IAccountUpdate interface
    h. Phone Number(s)
    i. Customer Name
    j. Address
    k. Credit Card Number
    l. Constructor(s) as appropriate
5. Create an interface named IAccountUpdate with the following members:

        m. Balance Owed

        n. Minutes Used

        o. Cost Per Minute

        p. CalculateCharge()

        q. AdjustMinutes() – increase or decrease

6. Using Phone, Account, and IAccountUpdate, create an application for a mobile phone company that minimally supports functionality listed. For instance: creating accounts, adding phones, calculating charges, and adjusting minutes.

7. Output a thank you message: "Thank you for running Program07."

8. Output a statement explaining your experiences with Program07. Make this authentic (minimum of 2-3 sentences).

TEST – TEST – TEST your application to ensure it meets requirements.

- Use the list above and the common requirements as a checklist.
- Not meeting all requirements = 0 points for the assignment.