

ITCS 1010 Programming Logic

Logic Plan 7 – Chapter 7 – 20 points

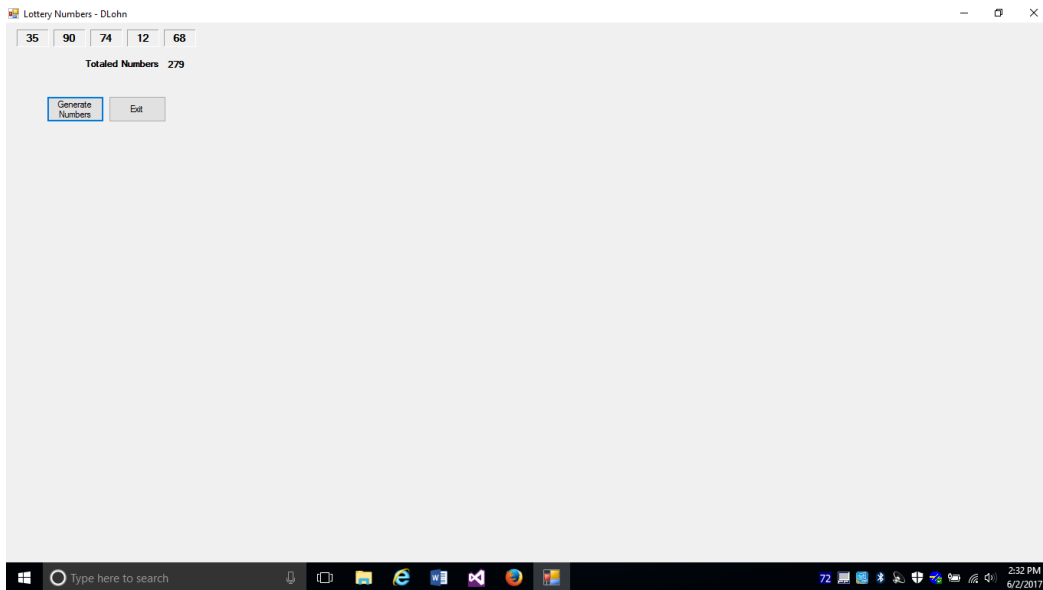
**“Lottery Numbers Using an Array to Hold a List of Random Lottery Numbers and
Totaling the values in the Array”**

Student Name _____

Given the following problem statements, perform the steps and answer the questions listed below, which are designed to help you analyze the problem and prepare a strategy for solving the problem. Submit this logic plan and C# Project **into a folder, zip the folder, and submit in Blackboard for grading.**

Problem statement: *Revise the application created in **Tutorial 7-1** to accumulate all 5 values in the array. Show the accumulated values from the array in an output label control.*

For example: $Total = (Total + lotteryNumbers [index])$
or
 $Total += lotteryNumbers[index]$



Use label controls, button controls, and program comments where applicable. Make sure the C# program is free of syntax and logic errors. Also, include user-friendly ToolTips on button controls.

First: Create a file folder on your USB Port drive or hard drive at home, and call it “Logic Plan7 Your student name”.

For example “Logic Plan7 DLohn”.

Second: There is **no VideoNote** associated with this Lab.

Third: Create the Logic Plan!

Design the Program’s Logic: enter your answers in the IPO chart below. Write pseudocode and insert below. Draw a flowchart and insert below.

What must the user enter as **INPUT**?

INPUT

How will the **program generate the 5 random numbers as output?**

PROCESSING

What **OUTPUT** will the program display?

OUTPUT

ENTER PSEUDOCODE HERE the **pseudocode** you wrote below in this Word document for grading.

DRAW OR COPY/PASTE FLOWCHART HERE the **flowchart** you designed below in this Word document for grading:

Fourth: Complete the programming problem.

Save this project as “ **Tutorial 7-1 your student name**”, for example “ Tutotorial 7-1 Dlohn”, in your “**Logic Plan 7 your student name**” file folder and submit in this category for grading.