Your task is it write an algorithm that loops through the numbers 0 to 100. Your algorithm needs to address the following:

**Functional Requirements**

* If a number is divisible by three, you need to add to a list box, the actual number and a string “divisible by 3”
* If a number is divisible by five, you need to add to a list box, the actual number and a string “divisible by 5”
* If a number is divisible by 3 and 5, you need to add to a list box, the actual number and a string “divisible by 3 and 5”
* If a number is not divisible by 3 or 5, add this number to your list box with a string “not divisible by 3 or 5
* Use a sub procedure to write to your list box
* Finally write the contents of your list box to a file
* File menu structure
* When completed, test and add another sub procedure to repeat the task but, this time use a while loop instead
* **At this stage you are expected to be using the correct naming conventions and using internal documentation in your algorithm**
* Zip your code and upload to SIMON – task is “Prog Portfolio Assessment 1”
* **Time allowed: 2 periods**

You solution design should have at minimum, a list box, 3 buttons. Button titles, calculate, save and exit.

Your final output should look something like:

0: Not divisible by 3 or 5

1: Not divisible by 3 or 5

2: Not divisible by 3 or 5

3: Divisible by 3

…..

15: Divisible by 3 and 5

etc….

Notes:

* You will need to use selection
* You will need to use iteration
* The “MOD” operator is one function that can help you determine if a number is divisible by another number. Eg. If i = 6 and I use the statement i MOD 3, the result would be “0” as there is no remainder. If i = 28 and I use the statement i MOD 3, the result would be “1” as there is a remainder of 1
* Don’t forget your “imports system.io” at the top of your code
* Code length is only about 50 lines of code, this excludes your internal documentation