This lab will allow you to see how to write procedures and functions and the difference between the two.

Write a program that has user enter three integers, the largest of the three will then be displayed. Use a function and procedure that will accept the three integers from the main and then calculate the maximum of those three and pass it back. You need to do this problem two ways.

The first way is to write a function that returns the maximum value back using a return statement.

The second way is to write a procedure so that the largest integer is passed back via a reference parameter.

You can either have two separate programs to do this or you could do it in one program, whichever you find easier. You also must have a loop structure of some kind that allows the user to continue until they press ‘N’ or ‘n’ to stop.

Use an if–else if structure to determine which number is the largest. Also do not forget to start with three step analysis and then a rough algorithm.