Lab #3

Programming and Algorithms

Please complete all of the following questions:

1. Modify the code for the “Linked List” program to create a menu-driven program (see Week #11), with the following options:

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| * 1. Create a Linked List   2. Delete a Linked List   3. Check if a Linked List is empty   4. Print out the values in the List   5. Find a node in a Linked List   6. Insert a node in a Linked List   7. Delete a node from a Linked List   99) Exit |

1. Modify the code for Recursive Factorial program to print out each value during the recursive process.
2. Modify the code for Recursive Fibonacci program to print out each value during the recursive process.

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| e-mail me a completed solution to each of the above programs in a Word document, and include Lab #1-2 in this document also.  e-mail to [Damian.X.Gordon@TUDublin.ie](mailto:Damian.X.Gordon@TUDublin.ie) with subject heading “DT249 PaA Lab #1-3” |