In-class Exercise 3: DLL – Copy to List

Using the start project **ex_03_dll_copy_to_list**, implement the member function of the DoublyList class, **copyToList**, as follows:

- **Parameter:** an object of the class **DoublyList**
- Copies all the nodes from the calling object into the parameter object. Cases to consider:
    a. The calling object is empty.
        - Empty the parameter list.
    b. The calling object and the parameter object have the same number of nodes.
        - Simply copy the data from the calling object into the parameter object.
    c. The parameter object has fewer nodes than the calling object.
        - Overwrite the corresponding data on the parameter object and add subsequent nodes to copy the rest of the data.
    d. The parameter object has more nodes than the calling object (can be combined with 1).
        - Overwrite the corresponding data on the parameter object and delete the remaining nodes.

The function **main** in the **Main.cpp** file contains a few test cases. Instead of adding functions to your project (such as print, reversePrint, and so on), you will be using the **Debugger** to check that your function is working properly for each case. Each test case has a set of comments that needs to be filled. The information needed can be found in the Debugger.

For this exercise, you need to work on your own project, **BUT** you are **expected** to consult other students for ideas and to check your code.

Turn in your project at the end of class and name it as follows:

- If you have not completed the whole implementation and the comments, name your file:
  A250_TEMP_E3_Yourlastname_Yourfirstname
  The complete project is due **next week on Thursday, by 6:00 pm**.

- If you have completed the entire exercise, name your file:
  A250_E3_Yourlastname_Yourfirstname