Programming in Java - project/homework I

Working environment setup

1. Download and unzip `proj1` source code:

    1. Download `proj1.zip` from the course site (moodle)
    2. Unzip it (you get `proj1` directory)
    3. Move `proj1` to `programming-in-java` directory, i.e.,
        - `programming-in-java`
            - `lab00`
            - ...
            - `lab05`
            - `proj1` <--
            - `gradle`
            - ...

2. [`IntelliJ`] Add `proj1` module to the `programming-in-java` project

1) Augmentation of `MyStack<E>` and `MyQueue<E>`

1. Add JavaDoc comments to MyStack
2. Add JavaDoc comments to MyQueue

2) Implementation of class `DLinkList<E>`

1. Implement the following methods:
    - `addFirst`
    - `addLast`
    - `removeFirst`
    - `removeLast`
    - `toString`
2. Write at least one unit test (JUnit5) for each method
3. Add JavaDoc comments to the methods of `DLinkList`
4. Add JavaDoc comments to the testing code

3) Implementation of class `MyStackDLLBImpl<E>`

1. Implement the required methods
2. Write at least one unit test (JUnit5) for each method
3. Add JavaDoc comments to the methods of `MyStackDLLBImpl`
4. Add JavaDoc comments to the testing code

4) Implementation of class `MyQueueDLLBImpl<E>`

1. Implement the required methods
2. Write at least one unit test (JUnit5) for each method
3. Add JavaDoc comments to the methods of `MyQueueDLLBImpl`
4. Add JavaDoc comments to the testing code

5) Send (as an attachment) `proj1.zip` file that contains only the source code (i.e., `.java` files, NO `.class` files!)