Reflection & Test Plan - Assignment 2 Question 4

- Commentary
- Normal Data
  - Test Run 1
    - Program Input
    - Expected Program Output
    - Actual Output
  - Test Run 2
    - Program Input
    - Expected Program Output
    - Actual Output
- Abnormal Data
  - Test Run 3
    - Program Input
    - Expected Program Output
    - Actual Output
  - Test Run 4
    - Program Input
    - Expected Program Output
    - Actual Output
  - Test Run 5
    - Program Input
    - Expected Program Output
    - Actual Output

Commentary

- what commenting strategy you used (eg., Javadoc)
  - I tried to make my commenting very thorough for this program as it was not intuitive at all. It's replicating a queue but using a stack to do so. As always I added comments for functions, also for iteration over data objects in order to make the whole thing less confusing.
- any other comment that reflects on your learning to program
  - This one was tough. I wrote the program without a ton of planning the first time. Then scrapped it after about 15 mins. I then sat down and drew everything out using the oracle doc diagrams to help. It made it much easier to code after that. Typically I have no problem just writing a program after thinking about it. This one needed some diagrams tho, good to note for the future.

Normal Data

Test Run 1

Program Input

lineup.enterQueue(0);

Expected Program Output

Queue: [1, 2, 3, 4, 5]
Queue: [0, 1, 2, 3, 4, 5]

Actual Output

as expected

Test Run 2

Program Input

lineup.enterQueue(-1);

Expected Program Output

Queue: [1, 2, 3, 4, 5]
Queue: [-1, 1, 2, 3, 4, 5]

Actual Output

as expected

Abnormal Data

Test Run 3

Program Input

lineup.enterQueue(1.5);

Expected Program Output

Will not compile

Actual Output

as expected

Test Run 4

Program Input

lineup.enterQueue("string");

Expected Program Output

Will not compile

Actual Output

as expected

Test Run 5

Program Input

lineup.enterQueue();

Expected Program Output

Will not compile

Actual Output

as expected