COMP 2231

Output Capture of Assignment 3 - Lists & Iterators

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a stack using a java.util.LinkedList

====== Add 3 element to the stack ====== Aaron Nick John
======= remove 1 element ======= Nick John
====== show current top element wihtout removing ====== current element on the top is :Nick
Nick John
====== remove 2 element and check if stack is empty ======
true ====== add 3 element and check if stack is empty ====== Aaron Nick John
false ======= check the current size of the stack ====== Aaron Nick John

2. a stack using a java.util.ArrayList.

```
====== Add 3 element to the stack ======
Aaron
Nick
John
====== remove 1 element ======
Nick
John
====== show current top element wihtout removing =======
current element on the top is :Nick
Nick
John
====== remove 2 element and check if stack is empty ======
====== add 3 element and check if stack is empty ======
Aaron
Nick
John
false
====== check the current size of the stack ======
Aaron
Nick
John
3
```

3. Implement a queue using a java.util.LinkedList.

====== Adds 3 element to the rear of this queue. ======
John
Nick
Aaron
====== Removes the element at the front of this queue. ======
Nick
Aaron
====== Returns without removing the element at the front of this queue =======
the removed element :Nick
Nick
Aaron
====== remove 2 element and check if queue is empty ======
true
====== add 3 element and check if queue is empty ======
John
Nick
Aaron
false
====== check the current size of the queue =====
John
Nick
Aaron
3

4. Implement a queue using a java.util.ArrayList

====== Adds 3 element to the rear of this queue. ======
John
Nick
Aaron
======= Removes the element at the front of this queue. ======
Nick
Aaron
====== Returns without removing the element at the front of this queue =======
the removed element :Nick
Nick
Aaron
====== remove 2 element and check if queue is empty ======
true
====== add 3 element and check if queue is empty ======
John The Control of t
Nick .
Aaron
false
======= check the current size of the queue ======
John Night
Nick
Aaron
3