CSC148 Worksheet 12 Solution

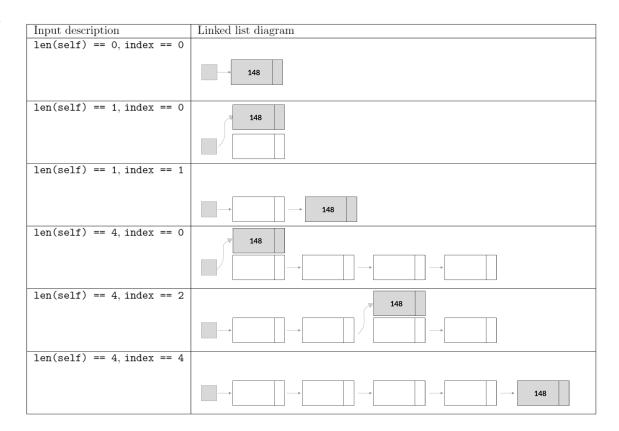
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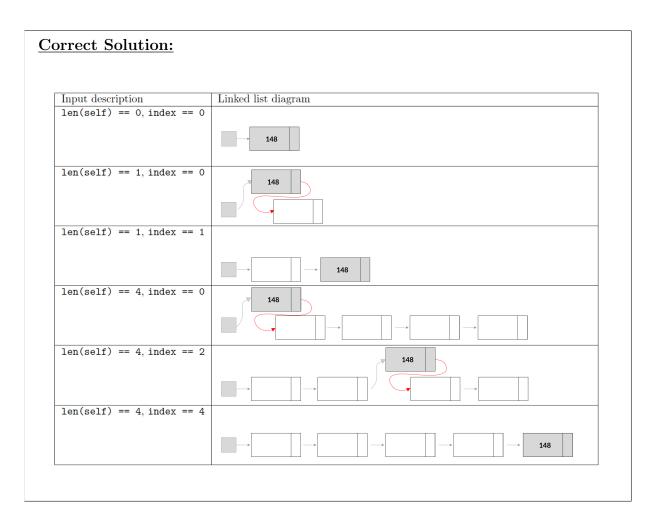
Question 1

a.

Input description	Linked list diagram
<pre>len(self) == 0, index == 0</pre>	
<pre>len(self) == 1, index == 0</pre>	
len(self) == 1, index == 1	
len(self) == 4, index == 0	
len(self) == 4, index == 2	
len(self) == 4, index == 4	

b.





Question 2

- a. To reassign self._first to something new, len(self) can be value, but index has to be at 0.
- b. To make insert method to behave the same as LinkedList.append, len(self) can be any value, but index = len(self) 1.

Question 3