CSC148 Worksheet 12 Solution

Hyungmo Gu

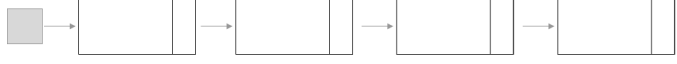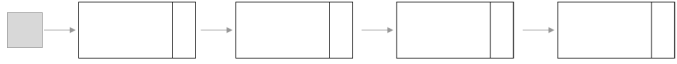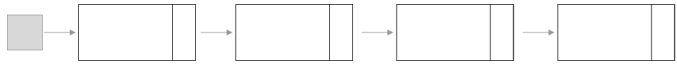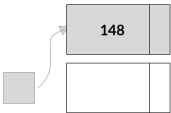April 23, 2020

Question 1
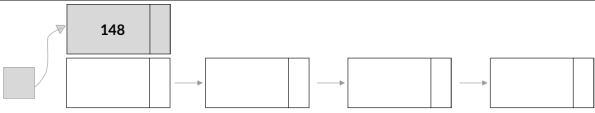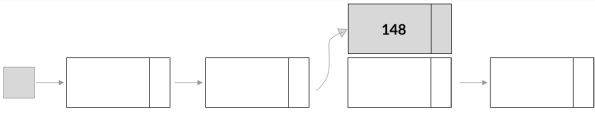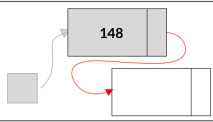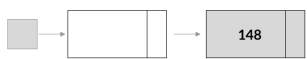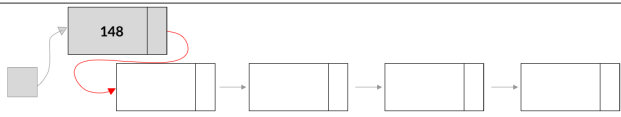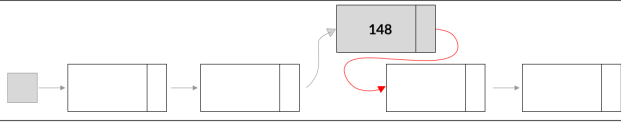
a.

Input description	Linked list diagram
`len(self) == 0, index == 0`	
`len(self) == 1, index == 0`	
`len(self) == 1, index == 1`	
`len(self) == 4, index == 0`	
`len(self) == 4, index == 2`	
`len(self) == 4, index == 4`	

b.

Input description	Linked list diagram
`len(self) == 0, index == 0`	
`len(self) == 1, index == 0`	
`len(self) == 1, index == 1`	
`len(self) == 4, index == 0`	
`len(self) == 4, index == 2`	
`len(self) == 4, index == 4`	

Correct Solution:

Input description	Linked list diagram
`len(self) == 0, index == 0`	
`len(self) == 1, index == 0`	
`len(self) == 1, index == 1`	
`len(self) == 4, index == 0`	
`len(self) == 4, index == 2`	
`len(self) == 4, index == 4`	

Question 2

a. To reassign *self._first* to something new, *len(self)* can be value, but *index* has to be at 0.

Question 3