

CSC148 Worksheet 14 Solution

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April 24, 2020

Question 1

a.

| Operation | Running time |
|---|------------------|
| Insert at the front of the list | $\mathcal{O}(n)$ |
| Insert at the end of the list | $\mathcal{O}(1)$ |
| Look up the element at index i , where $0 \leq i < n$ | $\mathcal{O}(n)$ |

Question 2

Question 3

Question 4

Question 5