

Data Structures  
CS 246 - 040  
Quiz 06 Solutions

- a. What is the principle of a queue?

**Solution:**

the principle is first in first out

- b. The insertion method of a queue is typically called the \_\_\_\_\_ method.

**Solution:**

enqueue()

- c. If the characters of the string assigned "ghost" are inserted into a char stack in order; and then, the stack is completely emptied with each element being concatenated to the end of the original string, what will the value of the string be afterwards?

**Solution:**

"ghosttsohg"

- d. The removal method of a queue is typically called the \_\_\_\_\_ method.

**Solution:**

dequeue()

- e. A queue requires \_\_\_\_\_ for its methods to all have a constant big-O runtime.

**Solution:**

two references (or indices)