## Practice Problems Oueue

## Consider the following methods of the Queue class:

1. Write a function(pseudocode) that takes a queue of characters and prints them in reverse order. You can use 1 additional queue (no additional data structure). What is the space and time complexity of your solution?

## Example:

```
Input: [a,b,b]
Output: b,b,a
Input: [a]
Output: a
Input: [a,b,a,b]
Output: b,a,b,a

void reverse(Queue s):
```

2. Implement a Queue class using 2 Stacks (i.e. use the Stack operations size(), push(), pop(), peek(), isEmpty() to implement enqueue() and dequeue())

3. Implement a Stack class using 2 Queues (i.e. use the Queue operations size(), enqueue(), dequeue(), peek(), isEmpty() to implement push() and pop())