

MODULE 5 - ACTIVITY 5

QUESTION :

What does the following code fragment do to the queue q?

```
Stack stack = new Stack();  
while (!q.isEmpty())  
    stack.push(q.dequeue());  
while (!stack.isEmpty())  
    q.enqueue(stack.pop());
```

SOLUTION :

- The elements from queue are pushed into a stack and pushed into queue again. In this program, we are reversing the order of elements.
- q.dequeue pops the elements from queue and q.enqueue pushes the elements into queue
- First while loops till queue is empty and second till stack is empty