Problem 4: Given a Stack having some elements stored in it. Can youimplement a Queue using the given Stack?**Using two Stacks where push operation is O(N).**

```
class QueueUsingStack:
    def__init__(self):
        self.stack1 = []
        self.stack2 = []

    def enqueue(self, value):
        self.stack1.append(value)

    def dequeue(self):
        if not self.stack1 and not self.stack2:
            raise Exception("Queue is empty (underflow)")

        if not self.stack2:
            while self.stack1:
                self.stack2.append(self.stack1.pop())

        return self.stack2.pop()

queue = QueueUsingStack()
queue.enqueue(10)
queue.enqueue(20)
queue.enqueue(30)
```

print(queue.dequeue())

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