텍스트이(가) 표시된 사진

자동 생성된 설명

*import* java.util.LinkedList;  
*import* java.util.*Queue*;  
  
*class* MyStack<T> {  
 *private Queue*<T> q1, q2;  
 *private* T top;  
  
 *public* MyStack() {  
 q1 = *new* LinkedList<>();  
 q2 = *new* LinkedList<>();  
 }  
  
 *public void* push(T x) {  
 q2.add(x);  
 *//  
 while* (!q1.isEmpty()) {  
 q2.add(q1.peek());  
 q1.remove();  
 }  
 *Queue*<T> temp = q1;  
 *//* q1 = q2;  
 q2 = temp;  
 }  
 *public* T pop() {  
 T result = q1.remove();  
 *//* top = q1.peek();  
 *//  
 return* (result);  
 }  
  
 *public* T top() {  
 *return* (top);  
 }  
  
 *public boolean* empty() {  
 *return* q1.isEmpty();  
 }  
  
 *public* String toString() {  
 *return* (q1.toString());  
 }  
}  
  
*public class* TestQueue {  
 *public static void* main(String[] args) {  
 MyStack<Integer> intStack = *new* MyStack<>();  
 MyStack<String> sStack = *new* MyStack<>();  
  
 *for* (*int* i = 0; i < 4; i++)  
 intStack.push(i\*2);  
 System.*out*.println("pop: " + intStack.pop());  
 System.*out*.println("peek: " + intStack.top());  
 System.*out*.println("pop: " + intStack.pop());  
 System.*out*.println("empty?: " + intStack.empty());  
  
 sStack.push("Hello");  
 sStack.push("World");  
 System.*out*.println("pop: " + sStack.pop());  
 System.*out*.println("pop: " + sStack.pop());  
 System.*out*.println("empty?: " + sStack.empty());  
 }  
}