PRACTICAL 3 - STACKS & QUEUES UML DIAGRAMS.

DSAStack

-stackArray : array of Objects

- maximumCapacity : integer-count : integer

+isFull(None) : Object
+isEmpty(None) : Object
+push() : Void
+pop(Object pass) : Object
+peek(Object pass) : Object

+isFull(None) : Object
+isEmpty(None) : Object

+enQueue() : Void +deQueue(Object pass) : Object

+Peek(Object pass) : Object

DSAQueueShuffling (Super Class)

-stackArray : array of Objects

- maximumCapacity : integer
-count : integer
- rear : integer
-front : integer

+isFull(None) : Object +isEmpty(None) : Object +enQueue() : Void +deQueue(Object pass) : Object +peek(Object pass) : Object

DSACircularQueue (Sub Class)

+isFull(None) : Object +enQueue() : Void +deQueue(Object pass) : Object

TestHarness
LtootDCACtools
+testDSAStack
+testDSAQueueShuffling
+testDSACircularQueue