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| **DSAStack** |
| - stackArray: Array of Objects  - maxSize: Integer  - size: Integer |
| + push(int key): none  + pop(): int  + top(): int  + isEmpty(): Bool  + isFull(): Bool  + count(): int |

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| **DSAQueue** |
| - capacity: integer  - queueArray: Array of Objects  - count: int |
| + getCount(): int |

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| **DSACircularQueue** |
| - head: integer  - tail: integer |
| + enqueue(int key): none  + dequeue(): int  + peek(): int  + isEmpty(): Bool  + isFull(): Bool  + count(): int |

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| **DSAShufflingQueue** |
|  |
| + enqueue(int key): none  + dequeue(): int  + peek(): int  + isEmpty(): Bool  + isFull(): Bool  + count(): int |

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| **DSAStackTestHarness** |
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| + main() |

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| **DSAQueueTestHarness** |
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| + main() |