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CIS 113

Chapter 5 Homework (6a,6b)

|  |
| --- |
| Console:  1 0 4 |
| 5 |
| 3 |
| 16 |
| 0 |
| 3 |

|  |
| --- |
| Console:  6  4  6  0  0 5 0 |
|  |
|  |
|  |
|  |
|  |

**public** String toString()

{

String stringToReturn = **null**;

**for** (**int** currentLocation = **this**.front; currentLocation <= **this**.rear;

currentLocation++)

{

stringToReturn += (" " + queue[currentLocation]);

}

**return** stringToReturn;

}

* 1. There shouldn’t be any differences in the code between ArrayBndQueue and ArrayUnbndQueue’s toString() methods, since both methods THEMSELVES are bounded by the size of the CURRENT queue. So being able to dynamically re-size the queue during object insertion has no bearing on the toString method, which only has to iterate through all elements currently found in the queue.

**public** String toString()

{

String basicString = "Node ", stringToReturn = **null**;

**for** (**int** nodeCount = 1; front != rear; nodeCount++, front = front.getLink())

{

stringToReturn += basicString +

nodeCount + ": " + front.getInfo().toString() + "\n";

}

**return** stringToReturn;

}