🏠 Curso / GTx CS1332x Course I Wrap-up / Practice Exam   🕐
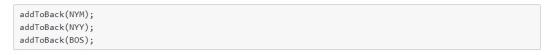
Linked List Diagramming

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Linked List Diagramming

0 puntos posibles (no calificables)

Given the following Doubly-Linked List (DLL) with a head pointer and a tail pointer perform the following **addToFront()**, **addToBack()**, **addAtIndex()**, **removeFromFront()**, **removeFromBack()**, and **removeAtIndex()** operations in order starting from the initial DLL. At each step, enter the state of the DLL after the element is added/removed. If the operation is invalid, type **NA**. You are provided with a scratchpad at the bottom of this page that you may use.

Elements in the DLL are represented by dash-seperated values. For example, to build the initial DLL (see below) starting from an empty DLL, the following operations are called in order:

```
addToBack(NYM);
addToBack(NYY);
addToBack(BOS);
```

Initial DLL: NYM-NYY-BOS

```
addToFront(FQR);
```

| FQR-NYM-NYY-BOS | ✔ Answer: FQR-NYM-NYY-BOS |

```
addAtIndex(2, ABC);
```

| FQR-NYM-ABC-NYY-BOS | ✔ Answer: FQR-NYM-ABC-NYY-BOS |

```
removeAtIndex(4);
```

| FQR-NYM-ABC-NYY | ✔ Answer: FQR-NYM-ABC-NYY |

```
removeFromFront();
```

| NYM-ABC-NYY | ✔ Answer: NYM-ABC-NYY |

```
addAtIndex(1, LGS);
```

| NYM-LGS-ABC-NYY | ✔ Answer: NYM-LGS-ABC-NYY |

```
addToBack(TYU);
```

| NYM-LGS-ABC-NYY-TYU | ✔ Answer: NYM-LGS-ABC-NYY-TYU |

```
removeAtIndex(3);
```

| NYM-LGS-ABC-TYU | ✔ Answer: NYM-LGS-ABC-TYU |

```
addAtIndex(5);
```

NA

✔ Answer: NA

Enviar

Mostrar respuesta

ℹ Las respuestas son mostradas en el problema

Scratchpad

Below is a textbox you can use as a scratchpad while you work through this problem; you should be able to click in the bottom-right and drag to expand it for your use. No text in this box will be used by the grading script, but you can use it to take notes and work through the exercise. Note that text entered in this box **will not be saved** if you leave and return to this page.

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