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An initial setup of files is provided to you via a shell script: [Download potd-q25](#)

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

```
sh potd-q25.sh
```

Your files for this problem will be in the `potd-q25` directory.

The Problem

Create a class `Queue`.

Implement the following member functions of the queue class:

- `int getSize()` - returns the number of elements in the queue (0 if empty)
- `bool isEmpty()` - returns if the list has no elements, else false
- `void enqueue()` - puts an item to the queue in $O(1)$ time
- `int dequeue()` - removes an item off the queue and returns the value in $O(1)$ time

We will not test Rule of Three methods, but we will call the destructor.

Upload Solution

Drop files here or click to upload.

Only the files listed below will be accepted—others will be ignored.

Files

☐ Queue.cpp
not uploaded

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POTD 25

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