Write a program in Java to insert and remove elements in a queue

```
package com.simpli;

import java.util.Arrays;

public class MyQueueMain {

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		MyQueue myQ = new MyQueue();

		myQ.enQueue(10);
		myQ.enQueue(20);
		myQ.enQueue(30);
		myQ.enQueue(40);
		myQ.enQueue(50);

		myQ.printQueue();

	}

}
class MyQueue {

	int SIZE = 5;
	int items[] = new int[SIZE];
	int front, rear;

	MyQueue() {
		front = -1;
		rear = -1;
	}

	// helper methods

	boolean isEmpty() {
		if (front == -1)
			return true;
		else
			return false;
	}

	boolean isFull() {
		if (front == 0 && rear == SIZE - 1) {
			return true;
		}
		return false;
	}

	// operations
	 void enQueue(int element) {

		 if (isFull()) {
			System.out.println("Queue is full");
		 } else {
			 if(front == -1)
				 front = 0;
			 rear++;

			 items[rear] = element;
			 System.out.println("Inserted "+ element);
```

```
                }

        }
void printQueue(){
                System.out.println(Arrays.toString(items));
        }

}
```

OUTPUT

```
Inserted 10
Inserted 20
Inserted 30
Inserted 40
Inserted 50
[10, 20, 30, 40, 50]
```