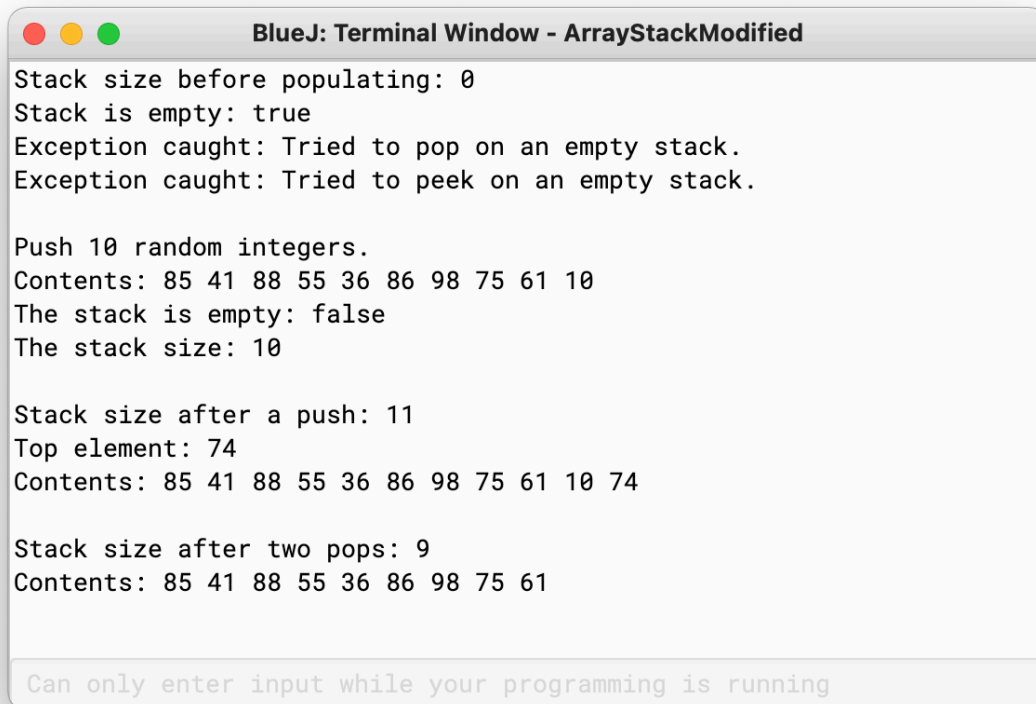


Question 1 Test Exhibits

Note: A single run of the ArrayStackDriver utilizes each aspect of each method, so I have just gone through and highlighted where each occur.

Overview:



```
BlueJ: Terminal Window - ArrayStackModified
Stack size before populating: 0
Stack is empty: true
Exception caught: Tried to pop on an empty stack.
Exception caught: Tried to peek on an empty stack.

Push 10 random integers.
Contents: 85 41 88 55 36 86 98 75 61 10
The stack is empty: false
The stack size: 10

Stack size after a push: 11
Top element: 74
Contents: 85 41 88 55 36 86 98 75 61 10 74

Stack size after two pops: 9
Contents: 85 41 88 55 36 86 98 75 61

Can only enter input while your programming is running
```

.size() on an empty stack:

```
Stack size before populating: 0
```

.size() on a populated stack:

```
The stack size: 10
```

.isEmpty() on an empty stack:

```
Stack is empty: true
```

.isEmpty() on a populated stack:

```
Push 10 random integers.
Contents: 85 41 88 55 36 86 98 75 61 10
The stack is empty: false
```

Throwing exceptions when trying to pop or peek on an empty stack (caught in the driver):

```
Exception caught: Tried to pop on an empty stack.  
Exception caught: Tried to peek on an empty stack.
```

.push() on an empty stack:

```
Push 10 random integers.  
Contents: 85 41 88 55 36 86 98 75 61 10
```

.push() on a full stack, forcing .expandCapacity() to run:

```
Push 10 random integers.  
Contents: 85 41 88 55 36 86 98 75 61 10  
The stack is empty: false  
The stack size: 10  
  
Stack size after a push: 11  
Top element: 74  
Contents: 85 41 88 55 36 86 98 75 61 10 74
```

.peek() on a populated stack:

```
Stack size after a push: 11  
Top element: 74  
Contents: 85 41 88 55 36 86 98 75 61 10 74
```

.pop() on a populated stack:

```
Contents: 85 41 88 55 36 86 98 75 61 10 74  
  
Stack size after two pops: 9  
Contents: 85 41 88 55 36 86 98 75 61
```