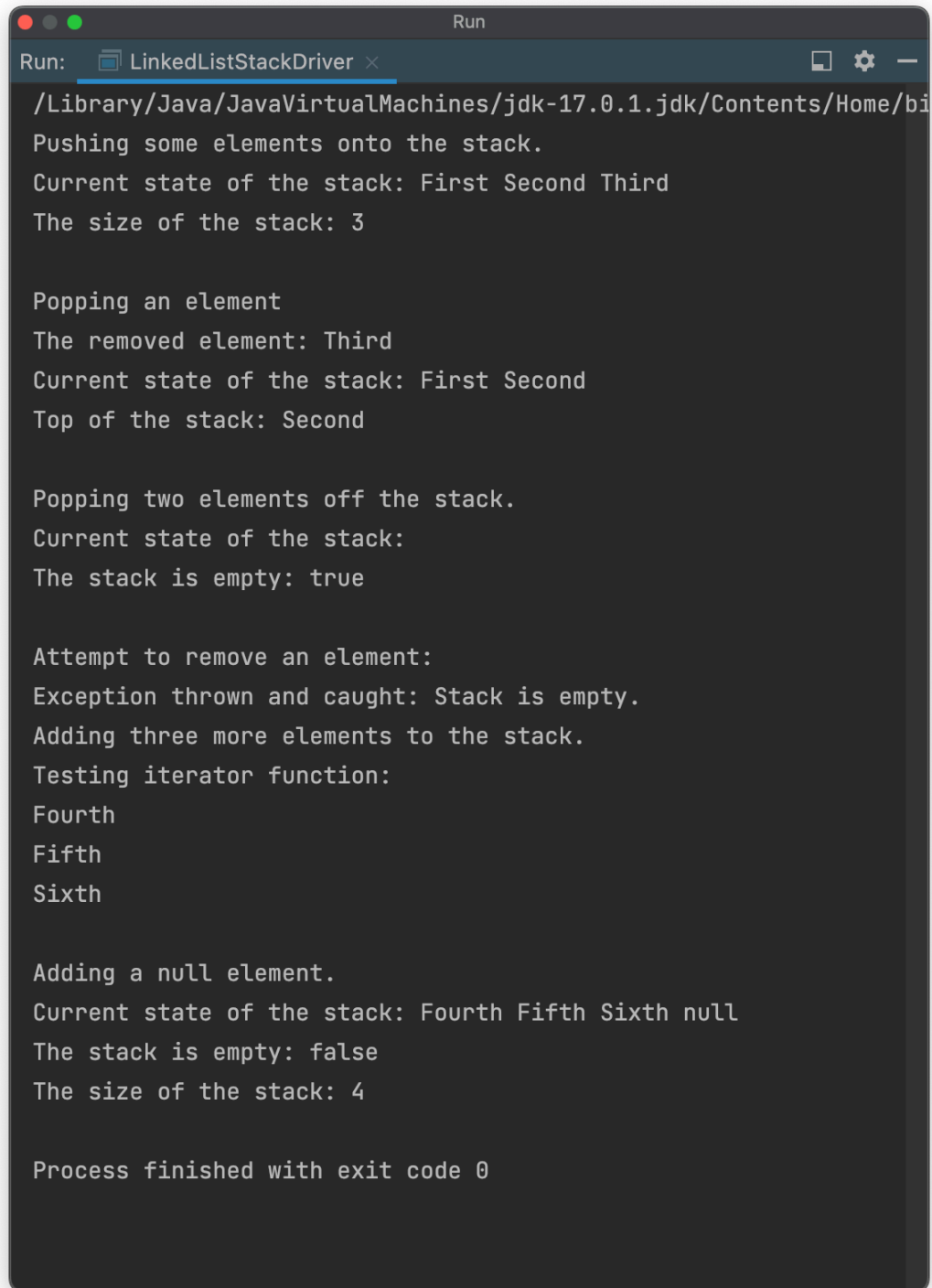


Assignment 3 Test Exhibits

Stack implementation using a `java.util.LinkedList`:



```
Run
LinkedListStackDriver x
/Library/Java/JavaVirtualMachines/jdk-17.0.1.jdk/Contents/Home/bin
Pushing some elements onto the stack.
Current state of the stack: First Second Third
The size of the stack: 3

Popping an element
The removed element: Third
Current state of the stack: First Second
Top of the stack: Second

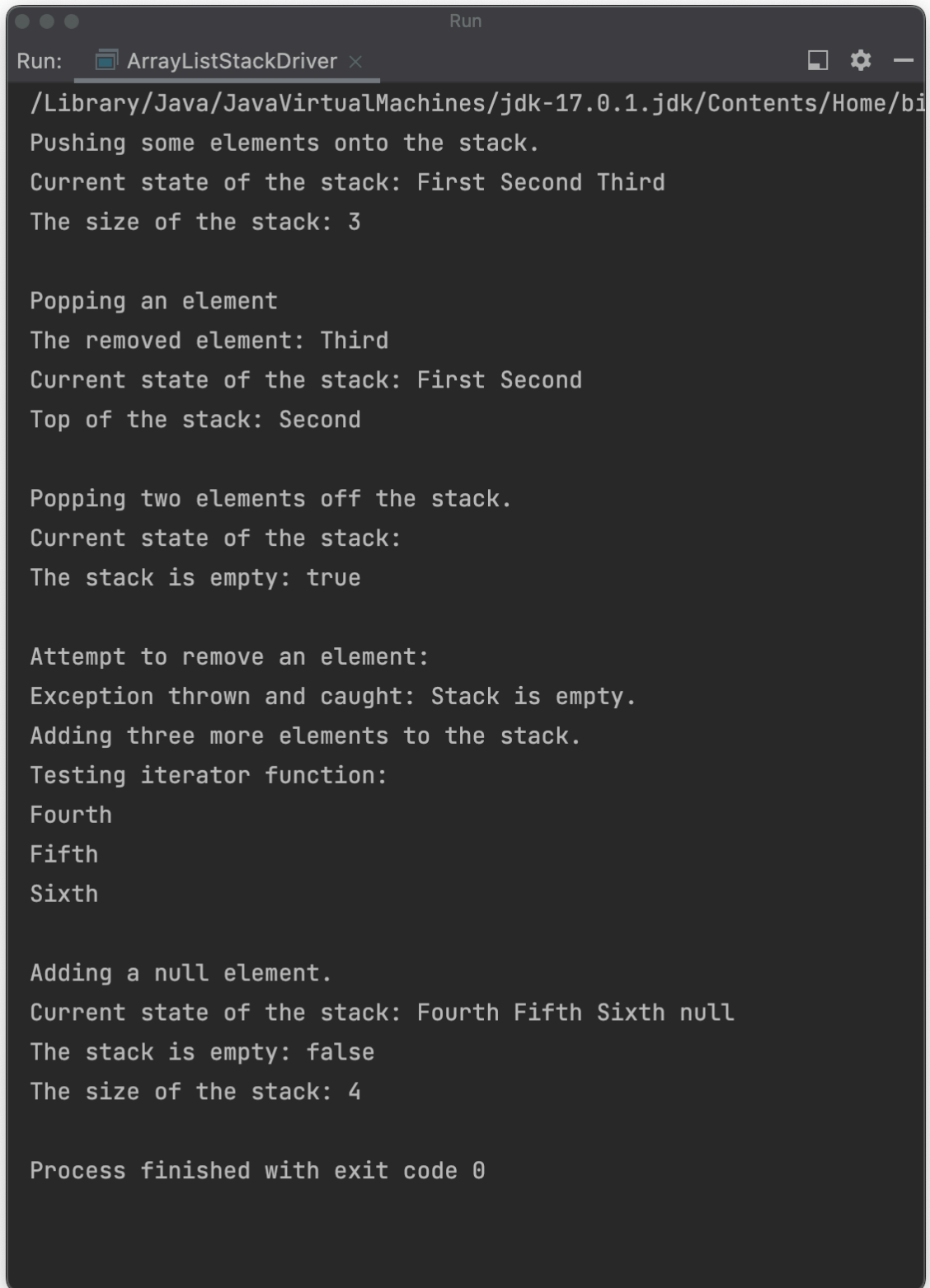
Popping two elements off the stack.
Current state of the stack:
The stack is empty: true

Attempt to remove an element:
Exception thrown and caught: Stack is empty.
Adding three more elements to the stack.
Testing iterator function:
Fourth
Fifth
Sixth

Adding a null element.
Current state of the stack: Fourth Fifth Sixth null
The stack is empty: false
The size of the stack: 4

Process finished with exit code 0
```

Stack implementation using a `java.util.ArrayList`:



```
Run
ArrayListStackDriver x
/Library/Java/JavaVirtualMachines/jdk-17.0.1.jdk/Contents/Home/bin/java
Pushing some elements onto the stack.
Current state of the stack: First Second Third
The size of the stack: 3

Popping an element
The removed element: Third
Current state of the stack: First Second
Top of the stack: Second

Popping two elements off the stack.
Current state of the stack:
The stack is empty: true

Attempt to remove an element:
Exception thrown and caught: Stack is empty.
Adding three more elements to the stack.
Testing iterator function:
Fourth
Fifth
Sixth

Adding a null element.
Current state of the stack: Fourth Fifth Sixth null
The stack is empty: false
The size of the stack: 4

Process finished with exit code 0
```

Queue implementation using a `java.util.LinkedList`:

```
Run
LinkedListQueueDriver x
/Library/Java/JavaVirtualMachines/jdk-17.0.1.jdk/Contents/Home/bin/java
Adding some elements to the queue.
Current state of the queue: First Second Third
The size of the queue: 3

Removing an element
The removed element: First
Current state of the queue: Second Third
Head of the queue: Second

Removing two elements from the queue.
Current state of the queue:
The queue is empty: true

Attempt to remove an element:
Exception thrown and caught: Queue is empty.
Adding three more elements to the queue.
Testing iterator function:
Fourth
Fifth
Sixth

Adding a null element.
Current state of the queue: Fourth Fifth Sixth null
The queue is empty: false
The size of the queue: 4

Process finished with exit code 0
```

Queue implementation using a `java.util.ArrayList`:

```
Run
Run: ArrayListQueueDriver x
/Library/Java/JavaVirtualMachines/jdk-17.0.1.jdk/Contents/Home/bin/java
Adding some elements to the queue.
Current state of the queue: First Second Third
The size of the queue: 3

Removing an element
The removed element: First
Current state of the queue: Second Third
Head of the queue: Second

Removing two elements from the queue.
Current state of the queue:
The queue is empty: true

Attempt to remove an element:
Exception thrown and caught: Queue is empty.
Adding three more elements to the queue.
Testing iterator function:
Fourth
Fifth
Sixth

Adding a null element.
Current state of the queue: Fourth Fifth Sixth null
The queue is empty: false
The size of the queue: 4

Process finished with exit code 0
```