

Lab Goal : This lab was designed to teach you more about stacks.

Lab Description : You are to create a stack from scratch using either an array or an ArrayList as the storage for the stack.

Starting Class :

```
class IntStack
{
    //pick your storage for the stack
    //you can use the an array or an ArrayList

    //option 1
    private int[] rayOfInts;
    private int numInts;

    //option 2
    private ArrayList<Integer> listOfInts;

    public IntStack() {

    }

    public void push(int item) {

    }

    public int pop() {
        return 0;
    }

    public boolean isEmpty() {
        return false;
    }

    public int peek() {
        return 0;
    }

    public String toString() {
        return "";
    }
}
```

Files Needed ::

IntStack.java
IntStackRunner.java

Sample Data :

see lab

Sample Output :

```
[5, 7, 9]
false
9
7
7
5
```

```
true  
[]
```