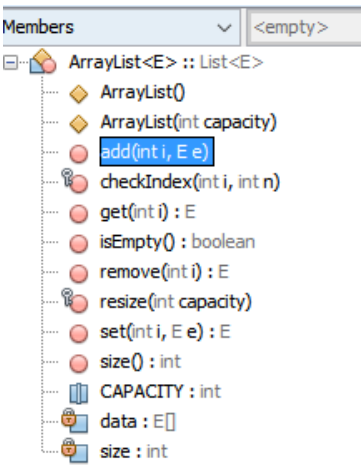
C:\Users\Rich\Documents\NetBeansProjects\Lab06\src\ArrayListStack.java

```
1 /**
2  * The implementation of a stack using an ArrayList Class as the adaptor pattern
3  * @author Rich Metelus
4  * @version 2/24/2017
5  */
6 public class ArrayListStack<E> implements Stack<E> {
7    private ArrayList<E> list = new ArrayList<>();
8    public ArrayListStack(){}        //empty list
9    @Override
10   public int size()
11   {
12      return list.size();
13   }
14   @Override
15   public boolean isEmpty()
16   {
17      return list.isEmpty();
18   }
19   @Override
20   public void push(E element)
21   {
22      list.add(0,element);
23   }
24   @Override
25   public E top(){return list.get(list.size()-1);}
26
27   @Override
28   public E pop(){return list.remove(0);}
29 }
30
```



Remember for ArrayList() everytime we add something it increase size, everytime you remove, you decrease size

I think this should have been list.add(size, element)

// Think this should have been list.remove(list.size()-1);

list.add(5, element) the for loop won't execute, i=5-1=4, i=4 >= 5 false, do loop adding index & set size++.