# CSE 12 — Basic Data Structures and Object-Oriented Design Lecture 7

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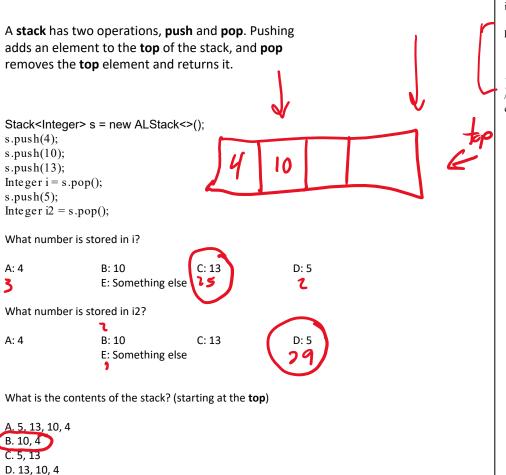
#### Announcements

- Quiz 7 due Monday @ 9am
- Survey 2 due tonight @ 11:59pm
- PA2 released yesterday
  - Closed PA
  - Due Wednesday @ 11:59pm

#### Topics

- Questions on Lecture 7?
- Stacks
- Other Topics
  - Adapter Pattern
  - Composition
  - Stacks & Queues with LinkedList

### Questions on Lecture 7?



E. other

```
import java.util.ArrayList;
public interface Stack<E> {
 void push(E element);
 E pop();
 int size();
// IDEA: Use array lists to implement both
class ALStack<E> implements Stack<E> {
```

## Other Topics

- Adapter Pattern
- Composition ← OOP
- Stacks & Queues with LinkedList