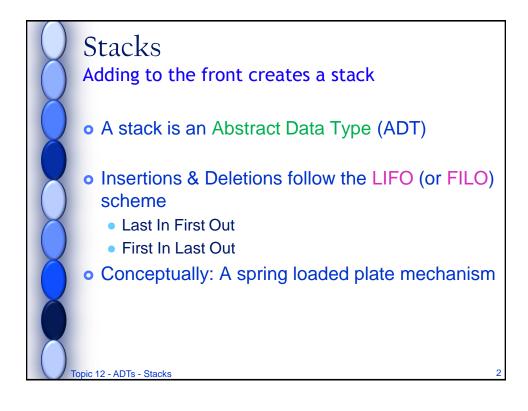
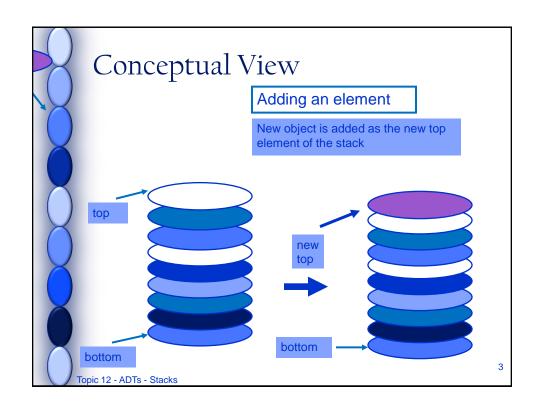
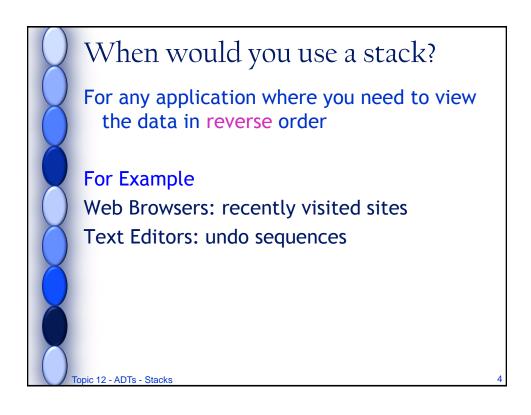
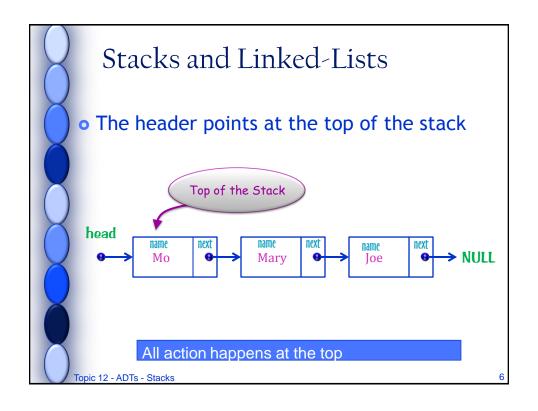
Topic 12 - Abstract Data Types - P1 Stacks







Operation	Description
Push	Add an Element to the Top of the Stack
Рор	Remove an Element from the Top of the Stack
IsEmpty	Determines whether the stack is empty
Peek	Examines the element at the top of the stack
 Size	Determines the number of elements in the sta



- Push
 - → add an element to the front of the list
- Pop
 - > remove an element from the front of the list
- IsEmpty
 - → check if head points to NULL
- Peek
 - → Examine the element at the top of the stack
- Size
 - > either count each element
 - → OR keep track as you push and pop

Topic 12 - ADTs - Stacks

Topic 12 - ADTs - Stacks

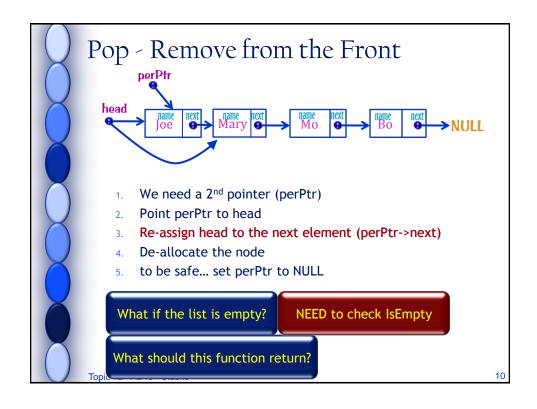
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Push → Add to the Top of the Stack Top of the Stack head NULL perPtr Bo What should this function return? Top of the Stack NULL PerPtr What should this function return?

- Push
 - > add an element to the front of the list
- Pop
 - > remove an element from the front of the list
- IsEmpty
 - > check if head points to NULL
- Peek
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Topic 12 - ADTs - Stacks

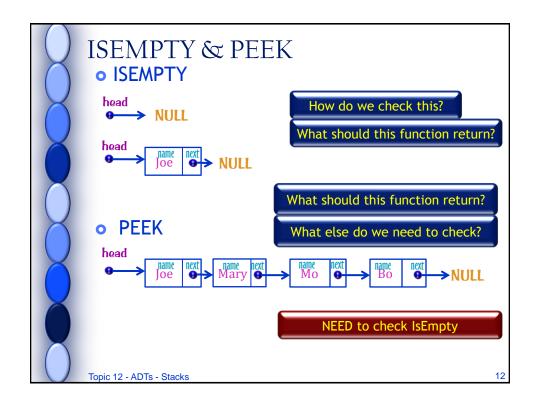
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Topic 12 - ADTs - Stacks

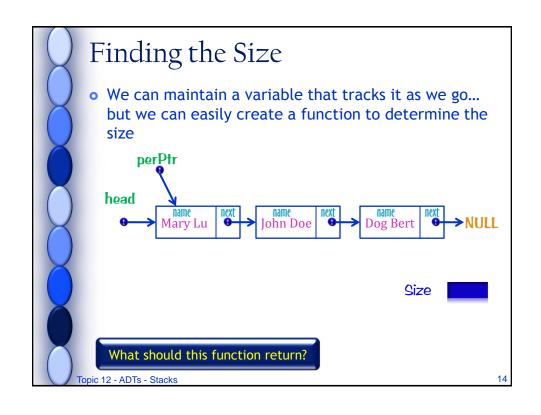
1



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Topic 12 - ADTs - Stacks

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Lab #8 − Implementing a Stack

- Use menu options for each of the stack operations
 - How should this be implemented?
- Each operation should be an individual function
- Validate the input range

Topic 12 - ADTs - Stacks

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