

ECE 2574: Data Structures and Algorithms - Stack Implementations

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Today we will look at array-based and link-based implementations of the Stack ADT.

- ▶ Review of AbstractStack
- ▶ Array-based stack
- ▶ Link-based stack

Review of the AbstractStack

See code

An array-based stack

- ▶ Constructor
- ▶ Copy Constructor
- ▶ Copy-Assignment
- ▶ Destructor
- ▶ push
- ▶ pop
- ▶ top
- ▶ isempty

See code

A link-based stack

- ▶ Constructor
- ▶ Copy Constructor
- ▶ Copy-Assignment
- ▶ Destructor
- ▶ push
- ▶ pop
- ▶ top
- ▶ isempty

See code

Next Actions and Reminders

- ▶ Read CH pp. 227-239
- ▶ Project 2 is released. Due 10/9 by 11:55 pm
- ▶ No class meeting on Monday. See the webpage for a pre-recorded lecture.