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Curriculum

SE Foundations Average: 109.77%



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Stack and Queues Session Recording

28 Thursday () 7:05 PM - 148 hours, 54 minutes

https://sandtech.zoom.us/rec/share/0mtX6o3hkMlmwR2tskY6TRoLgBYkhX5eZxyA59rBj7gygblWx8xxl2PY8S1m1st1.5uVYXDA5xu8F19Gu (https://sandtech.zoom.us/rec/share/0mtX6o3hkMlmwR2tskY6TRoLgBYkhX5eZxyA59rBj7gygblWx8xxl2PY8S1m1st1.5uVYXDA5xu8F19Gu)

Overview (/events/2466/overview)

Description

Recording Link (https://sandtech.zoom.us/rec/share/0mtX6o3hkMlmwR2tskY6TRoLgBYkhX5eZxyA59rBj7gygblW>

Agenda:

- 1. Understanding stack and queue concepts.
- 2. Implementing stack using linked list structures.
- 3. Writing push , pull , and is_empty functions.
- 4 Processing Monty files .

Summary:

The session covered stack and queue fundamentals, focusing on implementing a stack using linked lists. Participants delved into the structure of a node using doubly linked list, Comparison between implementation of a stack using an array and a linked lists; How Stacks and Queues work, and much more insightful conversations.

Description of Code Snippets:

```
// Code snippet used for implementation of the node structure
typedef struct Node {
  int data;
  struct Node* prev;
  struct Node* next;
} Node;
```

This snippet defines a structure for a node in a linked list. Each node contains integer data and pointers to the previous and next nodes in the list.

```
// Code snippet used for implementation of the stack structure
typedef struct {
   Node* top;
} Stack;
```

 $This \ snippet \ defines \ a \ structure \ for \ a \ stack, \ which \ consists \ of \ a \ pointer \ to \ the \ top \ node \ of \ the \ stack.$

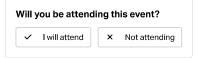
Note: The provided code snippets represent parts of the implementation discussed during the session. For a comprehensive understanding, participants are encouraged to watch the recording.

We encourage all learners to join our future sessions to deepen their on coming concepts!

Settings

Type: Default (A regular event)

Actions





About

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Mandatory participation



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