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Curriculum
SE Foundations
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Mar
28
Thursday

Stack and Queues Session Recording

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

Will you be attending this event?

✓ I will attend ✕ Not attending

About

Created by Amanuel Sisay

Mandatory participation

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