Data Structure with Java. By Akshay Netankar.

## Array

- Declare and initialize array in java
- Advantages of array
- o Disadvantages of array
- Example
- Array practice programs

### • Stack

- Stack implementation using Array
- o Stack implementation using LinkedList
- Implementation
- o Practice Programs

#### Queue

- Queue implementation using array
- o Queue implementation using LinkedList
- o <u>Implementation</u>

## LinkedList

- Implementation
- LinkedList Practice Programs

## Binary tree

- o <u>Implementation</u>
- o Binary tree practice programs

# • Binary Search tree

- o <u>Implementation</u>
- Binary search tree Practice programs
- Trie
- Implementation
- Heap
- Implementation
- Graph
  - Implementation
- Inbuild data structures in java

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- o String
- 。 <u>HashMap</u>
- o <u>LinkedHashMap</u>
- o <u>ArrayList</u>
- o <u>LinkedList</u>
- 。 <u>HashSet</u>