

# 04. 1D-Array

14:08

Agenda:

1. Introduction to 1 D Array
2. Basic Problems

## Introduction To Array 1D Refresher

- Array is the sequential collection of same types of data.
- The datatype can be of any type i.e, int, float, char, User Defined etc.

### Declaration Of Array

```
int arr[] = new int[5];
```

Also

```
int[] arr = new int[5];
```



Array index always starts with 0. And we can access the elements using arr[0], arr[1], ...and so on.

### Problems :

Q1. Maximum index of array of size N ? -> n-1

0, 1, 2, 3, ..., N-1

Q2. Take an integer array arr of size N as input and print its sum

Q2. Find the maximum element in array arr of size N

Q3. Find the minimum element in array arr of size N

Q4. Check whether element k is present in array arr or not.

Q5. Given a array arr of size N. Find the frequency (count) of element 1.

Q6. **Given an integer array as an input, return the frequency count of the array.**

Q7. Given an integer array as an input, check whether it is strictly increasing.