List of Concepts Involved:

- Different ways to create an Array

- ArrayIndexOutOfBoundsException

- Disadvantages of Array in Java

Topics covered Yesterday's Session:

- Introduction of Arrays

length vs length()

- **length:** It is a property of the Array type class.

- **length():** It is a method of String class.

Anonymous Array

- An array without a name is called Anonymous Array.

- This type of array is created just for instance use.

ArrayIndexOutOfBoundsException

In java when we create an array, array index starts from 0 index.

Example:

int[] a = {10,20,30,40};

In the zero index we have 10, similarly in the first index we have 20, third index we have 30 and in fourth index we have 40.

If we try to access the index which is not in the array range then it would result in an Exception called "**ArrayIndexOutOfBoundsException**".

Disadvantages of Arrays

- once we create the size cannot be increased/decreased.

- It stores only homogeneous data elements.

Next Lecture

- String in Java