Array Lists and Operations

Arrays

Contiguous Memory

Dynamic Arrays

A **dynamic array** is an array that can change its size during runtime, unlike static arrays that have a fixed size.

New keyword

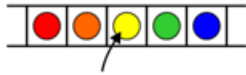Int arr;

Arr= new arr[10]

Vector vs array

Lists

An Abstract List (or List ADT) is linearly ordered data where the programmer explicitly defines the ordering.
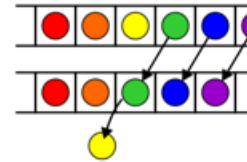
Operations

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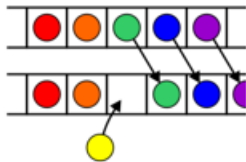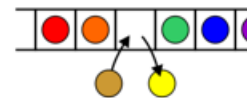
Access to the object

Insertion of a new object

Erasing an object

Replacement of the object

Operations

Given access to the kth object, gain access to either the previous or next object