

Array List

Arrays

- It allows storing multiple values in a single variable.
- An array is collection of elements of the same type stored in a contiguous memory allocation

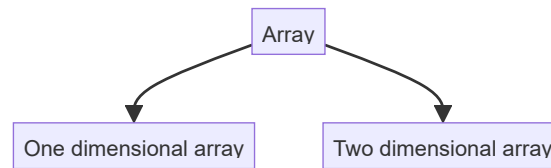
```
-----  
| 1 | 2 | 3 | 4 |  
-----
```

Key Features

- When an array is created, it will be fixed size.
- Index based -> starting index is 0 and last index is size-1
- Homogeneous elements - same type
- Contiguous memory allocation

Basics

Types of array:



Declaring array:

```
type variable[];
```

Example:

```
int[] marks;
```

Initialization:

```
int[] marks={90,80,60,48,70};
```

Internal working of array:

