

# Arrays in JS

## Collections of items

### Create Array

```
let heroes = [ "ironman", "hulk", "thor", "batman" ];
```

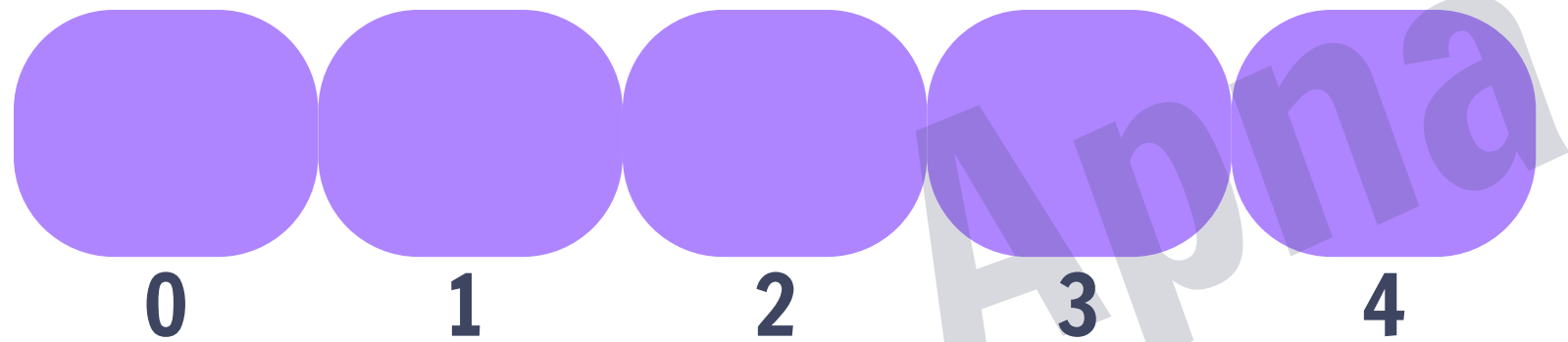
```
let marks = [ 96, 75, 48, 83, 66 ];
```

```
let info = [ "rahul", 86, "Delhi" ];
```

# Arrays in JS

## Array Indices

arr[0], arr[1], arr[2] ....



# Looping over an Array

Print all elements of an array

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# Let's Practice

Qs. For a given array with marks of students -> [85, 97, 44, 37, 76, 60]  
Find the average marks of the entire class.

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# Let's Practice

**Qs. For a given array with prices of 5 items -> [250, 645, 300, 900, 50]**

**All items have an offer of 10% OFF on them. Change the array to store final price after applying offer.**

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# Arrays in JS

## Array Methods

**Push( ) : add to end**

**Pop( ) : delete from end & return**

**toString( ) : converts array to string**

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## Array Methods

**Concat( )** : joins multiple arrays & returns result

**Unshift( )** : add to start

**shift( )** : delete from start & return

# Arrays in JS

## Array Methods

**Slice( )** : returns a piece of the array

`slice( startIdx, endIdx )`

**Splice( )** : change original array (add, remove, replace)

`splice( startIdx, delCount, newEl1... )`



# Let's Practice

**Qs. Create an array to store companies -> “Bloomberg”, “Microsoft”, “Uber”, “Google”, “IBM”, “Netflix”**

**a. Remove the first company from the array**

**b. Remove Uber & Add Ola in its place**

**c. Add Amazon at the end**