Arrays

Multiple of similar variabels

```
let color1 = "red";
let color2 = "pink";
let color3 = "yellow";
```

Multiple of similar variabels

```
let colors = ["red", "pink", "yellow"];
```

Can store all types of data

```
let empty = [];
let numbers = [2, 6, 8, 13, 5, 72, 43];
let mixed = [4, "red", true, numbers, null];

console.log(mixed);
```

Using array.length

```javascript
let numbers = [2, 6, 8, 13, 5, 72, 43];

console.log(numbers.length);
```

Using array.length

```javascript
let numbers = [2, 6, 8, 13, 5, 72, 43];

for (let i = 0; i < numbers.length; i++) {
    console.log(numbers[i]);

}
```

Updating array

Adding items to the end

```javascript
let numbers = [2, 6, 8, 13, 5, 72, 43];
console.log(numbers);
numbers.push(99);
console.log(numbers);
```

Updating array

Adding items to the start

```
let numbers = [2, 6, 8, 13, 5, 72, 43];
console.log(numbers);
numbers.unshift(99);
console.log(numbers);
```

Updating array

Removing items from the end

```javascript
let example = [1, 2, 3, 4];
let lastItem = example.pop();
console.log(lastItem);
console.log(example);
```

Updating array

Removing items from the start

```
let example = [1, 2, 3, 4];
let firstItem = example.shift();
console.log(firstItem);
console.log(example);
```

Using array

```javascript
let numbers = [2, 6, 8, 13, 5, 72, 43];
console.log("first number is: " + numbers[0]);
console.log("fifth number is: " + numbers[4]);
```