Types and Arrays

Mark Zamoyta

SOFTWARE DEVELOPER AND EDUCATOR

@markzamoyta

Introduction

String and Number Types

Boolean Types

undefined and null

Arrays

Array Features

Adding Arrays to Blackjack

Type Basics: Strings and Numbers

Boolean Types

Boolean Values

true   **false**

undefined and null

undefined and null

undefined | null

JavaScript will initialize variables to *undefined*

Our source code should set variables to *null* if needed

We don't assign *undefined* to variables

Storing Multiple Values in Arrays

Create an Array

```
// Create an Array

let values = [ ] ;
```

Initialize an Array

```
// Initialize an Array

let values = [ 1, 2, 3 ] ;
```

Accessing an Array

```javascript
// Accessing an Array

let values = [ 1, 2, 3 ];

console.log( values[0] ); // 1

console.log( values[1] ); // 2

console.log( values[2] ); // 3

console.log( values[3] ); // undefined
```

Array Index Examples

```
let cards = [ "Ace", "King", "Queen", "Jack" ] ;

console.log( cards[0] );  // Ace

console.log( cards[1] );  // King

console.log( cards[2] );  // Queen

console.log( cards[3] );  // Jack

console.log( cards[4] );  // undefined
```

Array Features

Adding Arrays to Blackjack

Summary

String, Number and Boolean Types

undefined and null

Arrays
- let arr = [1, 2, 3]
- Indexing using arr[idx], idx is 0 based

Array Features
- length, push(), pop()
- shift(), splice()

Adding Arrays to Blackjack