

# Applying Primitive Types

---



**Barry Luijbregts**

SOFTWARE ARCHITECT & DEVELOPER

@AzureBarry

[www.azurebarry.com](http://www.azurebarry.com)



# Introduction



**Test strings for specific content**

**Test numbers for type and safety**

**Understanding Symbols in JavaScript**



# Understanding Symbols in JavaScript

---



# Symbol

```
var id = Symbol();
```

```
var id = Symbol("My Id");
```

```
console.log(id);
```

```
// symbol
```

```
console.log(id.toString());
```

```
// Symbol(My Id)
```



# Symbol

```
var id = Symbol("My Id");  
var id2 = Symbol("My Id");
```

```
console.log(id === id2);  
// false
```

```
var id = Symbol.for("My Id");  
var id2 = Symbol.for("My Id");
```

```
console.log(id === id2);  
// true
```



# Symbol

```
var loan =  
{  
  name: "Barry",  
  [Symbol("income")]: 15000  
};  
  
console.log(loan[Symbol.for("income")]);  
// 15000
```



# Symbol

```
var loan =  
{  
  name: "Barry",  
  [Symbol("income")]: 15000  
};
```

```
console.log(Object.getOwnPropertyNames(loan));  
// ["name"]
```

```
console.log(Object.getOwnPropertySymbols(loan));  
// [Symbol(income)]
```



# Summary



## Test strings for content

- `String.search` and `trim()` and `toLowerCase()`
- `String.startsWith`
- `String.endsWith`
- `String.includes`

## Test numbers

- `Number.isInteger`
- `Number.isSafeInteger`

## Symbols in JavaScript

- Symbols are unique



# Where to Go Next



## MDN web docs

- <https://developer.mozilla.org>

## W3Schools

- <https://www.w3schools.com/js>

## ES6: The Right Parts (Kyle Simpson)

- <https://app.pluralsight.com/library/courses/es6-the-right-parts>

## Advanced JavaScript (Kyle Simpson)

- <https://app.pluralsight.com/library/courses/advanced-javascript>

