Introduction To JavaScript

NYU TANDON ONLINE

JavaScript

Dynamic

Changing Things!

Variables and Constants
Storing Information

```
var name = "John";
```

Variables and Constants

Storing Information

```
var name = "John";
let lastName = "Doe";
```

Variables and Constants

Storing Information

```
var name = "John";
let lastName = "Doe";
const version="1.3"
```

Operators

Doing Some Math!

```
let result = 3 + 2;
```

Operators

Doing Some Math!

```
let result = 3 + 2;
result += 4;
```

Operators

Doing Some Math!

```
let result = 3 + 2;
result += 4;
let name = firstName + lastName;
```

Operators
Doing Some Math!

```
let result = 3 + 2;
result += 4;
let name = firstName + lastName;
```

Operator	Name
+	Addition
-	Subtraction
*	Multiplication
/	Division

Operators – Part 2
Comparing Things

```
let result = 3 >= 2;
```

Operators – Part 2
Comparing Things

```
let result = 3 >= 2;
let isEqual = months === 4;
```

Operators – Part 2
Comparing Things

```
let result = 3 >= 2;
let isEqual = months === 4;
```

Operator	Name
===	Is Equal
!==	Not Equal
>	Greater than
<	Less than

Functions
Reusing Code

```javascript
function add(v1,v2) {
    return v1+v2
}

const add = (v1,v2) => v1+v2;


let result = add(5,3);
```

End Of Video 5
Start of Video 6

Conditional

Making Decisions

```
let color;

if (v1 === 10) {
    color = "blue"        ← If True
} else {
    color = "red"         ← If False
}
```

```
let color = v1 === 10 ? "blue" : "red";
```

Loops

Repeating Code

```
for(let i=1; i<21; i+=1){
    console.log(i)
}
```

```
let i=1
while(i < 21){
    console.log(i)
    i+=1
}
```

Loops

Repeating Code

```
let i = 1;
while(true) {
    console.log(i);
    i += 1;
    if (i >= 21)
        break;
}
```

JavaScript

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