

# Day 11

JavaScript II

**Review**

# Operations with JS

## *Arithmetic operations*

- +
- -
- \*
- /
- ++ (= increment)
- -- (= decrement)

# Operations with JS

## *Assignment operations*

Adds value of the right side to the value of the left side instead of replacing it

- =
- +=
- -=

# Operations with JS

## *Comparison operations*

- **==** Is equal to
- **!=** Is not equal to
- **>** Is greater than
- **<** Is less than
- **>=** Is greater than or equal to
- **<=** Is less than or equal to
- **===** Is equal to (and of the same type) **!==** Is not equal to (and of the same type)

# Operations with JS

## *Logical operations*

- `&&` And (`j == 1 && k == 2`)
- `||` Or (`j < 100 || j > 0`)
- `!` Not (`!(j == k)`)

# If Condition

*If something is true, do something*

```
if(b==5 && a >= b){  
    document.write(a + "is larger than" + b);  
}
```

# String Concatenation

*Use + sign*

```
document.write("You have " + messages + "  
messages.")
```



# Arrays

## *Construct an array*

```
faceArray = [['R', 'G', 'Y'], ['W', 'R', 'O'], ['Y', 'W', 'G']]
```

## *Access an element in an array*

```
document.write(faceArray[1][2])
```

This will write 'O'

# for Loop

*Do something for a given number of times*

```
newArray = ["Element1", "Element2", "Element3"]
```

```
for(var i = 0; i < newArray.length; i++){  
    document.write(newArray[i]);  
}
```

# for loop

*Break the for loop*

```
newArray = ["Element1", "Element2", "Element3"]
```

```
for(var i = 0; i < newArray.length; i++){  
    document.write(newArray[i]);  
    if(newArray[i] == "Element2"){  
        break;  
    }  
}
```