Code Nation

Develop

{CODENATION}™

What if?

Imagine there's some music on

How do you feel about the music?

Stupid question!

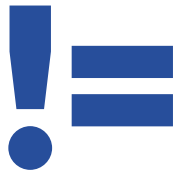
Depends on what the music is!

```
if (music == samsMusic) {
        console.log("Oh no it's 0's indie again")
}
else if (music == noMusic) {
        console.log("Arh, peace and quiet")
}
else {
        console.log("Nice and noisy")
}
```

```
if (something) {

// do this
}

else if (something else) {

//do this
}

else {
//if nothing else matched do this
}
```

```
if (music == samsMusic) {
        console.log("Oh no it's 0's indie again")
}
```

== ?



`==` checks if the values are equal regardless of type

`===` checks if the values and type are equal

!= checks if the values are not equal regardless of type

!== checks if the values and type are not equal

```
if (1 === '1') {
  console.log(true)
}
else {
  console.log(false)
}
```

What is logged?

```
if (1 != '1') {
  console.log(true)
}
else {
  console.log(false)
}
```

What is logged?

```
if (something) {

// do this
}

else if (something else) {

//do this
}

else {
//if nothing else matched do this
}
```

Create a variable called age. Write an if statement that logs "Yes I can serve you" if age is greater then 17 and else logs "You aren't old enough".

And onto the next thing

```
if (place == "Manc" && weather == "Sunny") {
        console.log("Check again")
}
else if (place == "Manc" && weather == "Rain") {
        console.log("Obvs")
}
else {
        console.log("What it isn't raining?")
}
```

Take your if statement and add a variable called country.

Now check if age > 17 and country == “UK”

Or not?

```
if (samTurnsUp || danTurnsUp) {
        console.log("You can have laptops")
}

else {
        console.log("What do we do now?")
}
```

Where are the equals?

```
let name == “Sam”


if (name == “Sam” || name == “Dan”) {
        console.log(“Your name is Sam or Dan”)
}

else {
        console.log(“What is your name?”)
}
```

```
let name == “Sam”
```

true or false

```
if (name == “Sam” || name == “Dan”) {
        console.log(“Your name is Sam or Dan”)
}

else {
        console.log(“What is your name?”)
}
```

I could even write

```
if (true || false) {
    console.log(true)
}
else {
    console.log(false)
}
```

Inside the brackets we have

(expressionToBeEvaluated

logical operator

expressionToBeEvaluated)

It's only logical

And

True and True —>

True and False —>

False and False —>

And

True and True —> True

True and False —> False

False and False —> False

Or

True or True —>

True or False —>

False or False —>

Or

True or True —> True

True or False —> True

False or False —> False

If we list all the integers below 10 that are multiples of 3 or 5, we get 3, 5, 6 and 9. The sum of these multiples is 23.

Find the sum of all the multiples of 3 or 5 below 1000.