

Day 7 - JS Conditional Statement

The Boolean data type

```
> true
```

```
> false
```

...but more typically we encounter them as the resultant value **produced by evaluating expressions.**

Comparator Operators

5 > 3

5 < 3

5 >= 5

10 <= 100

5 === 5 / 5 == 5

5 !== 5 / 5 != "5"

5 === "5"

Comparator Operators

What is the difference between 5 and "5"?
Perhaps the typeof operator can help us out:

```
> typeof "hello"  
> typeof true  
> typeof 5  
> typeof "5"
```

Conditional Statements

```
if ( ) { }
```

```
if ( ) { } else { }
```

```
if ( ) { } else if ( ) { } else { }
```

Conditional Statements

```
if (true) {  
    console.log('oh yeeeeahhhhh!!')  
}
```

```
if (false) {  
    console.log('wait, where am I??')  
}
```

```
if (5 > 4) {  
    console.log('Makes sense..')  
}
```

Conditional Statements

```
if (2 === 5) {  
    console.log("if you are seeing this message,  
    something's gone terribly wrong")  
}
```

```
response = prompt("How you doing?");  
if (response === "good") {  
    console.log("Well, I'm very glad to hear  
    that...")  
}
```

Exe 1

1. Prompt the visitor to enter a password when they visit your site.

If it is correct, welcome them.

Otherwise, direct them elsewhere using this line of code:

```
window.location = "http://www.google.com"
```


Conditional Statements

```
if (hour < 18) {  
    greeting = "Good day";  
} else {  
    greeting = "Good evening";  
}  
  
alert(greeting);
```

Conditional Statements

```
var time = 13
if (time < 10) {
    greeting = "Good morning";
} else if (time < 20) {
    greeting = "Good day";
} else {
    greeting = "Good evening";
}

alert(greeting);
```

Logical And && , Logical Or ||, Ternary Operator

```
true && true && true
```

```
> true && false
```

```
> false && true
```

```
> false && false
```

```
> true || true
```

```
> true || false
```

```
> false || true
```

```
> false || false
```

Exe 2

1. Prompt the visitor to enter their score (1 - 100)
2. When score is between 80 and 100, alert “your grade is A”
3. When score is between 80 and 60, alert “your grade is B”
4. When score is between 60 and 40, alert “your grade is C”
5. When score is below 40, alert “your grade is D”
6. When value is other than 1 to 100, then alert “cannot calculate your grade”

Exe 3

1. Ask them their gender and name. Greet them as Mr. or Mrs. (as appropriate by gender) and their name, and welcome them.
2. If they are thirsty, prompt them as to what drink they would like.
3. If their drink is anything but “Juice”, tell them ‘yes (name) one (drink_name) coming right up!’

If they ask for a “Juice”, tell them ‘Juice not available’