```
// if statements
// equality operators and assignment operators
// logical operators

/*****************************************************/
//first example

var num = 20;

if (num > 0) {
  console.log("The number is a positive.")
}

if (num < 0) {
  console.log("The number is a negative.")
}



/*****************************************************/
```

```
> 
The number is a positive.
```

```
// if statements
// equality operators and assignment operators
// logical operators

/*************************************************/
//first example

var num = -4;

if (num > 0) {
  console.log("The number is a positive.")
}

if (num < 0) {
  console.log("The number is a negative.")
}




/*************************************************/
```

```
>
The number is a negative.
```

```
// if statements
// equality operators and assignment operators
// logical operators

/*****************************************************/
//first example

var num = -4;

// if (num > 0) {
//  console.log("The number is a positive.")
// }

// if (num < 0) {
//  console.log("The number is a negative.")
// }

if (num > 0) {
  console.log("The number is a positive.")
} else {
  console.log("The number is a negative.")
}



/*************************************************/
```

```
>
The number is a negative.
```

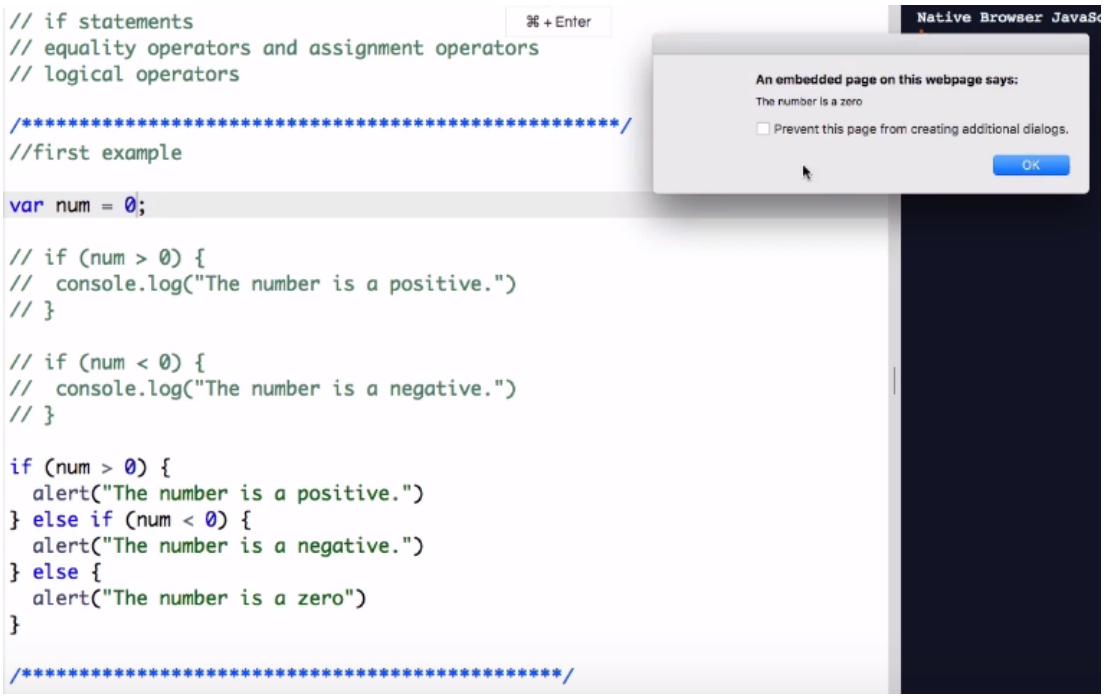
```
// if statements
// equality operators and assignment operators
// logical operators

/*************************************************
//first example

var num = 6;

// if (num > 0) {
//  console.log("The number is a positive.")
// }

// if (num < 0) {
//  console.log("The number is a negative.")
// }

if (num > 0) {
  console.log("The number is a positive.")
} else {
  console.log("The number is a negative.")
}



/************************************************/
```

```
>
The number is a positive.
```

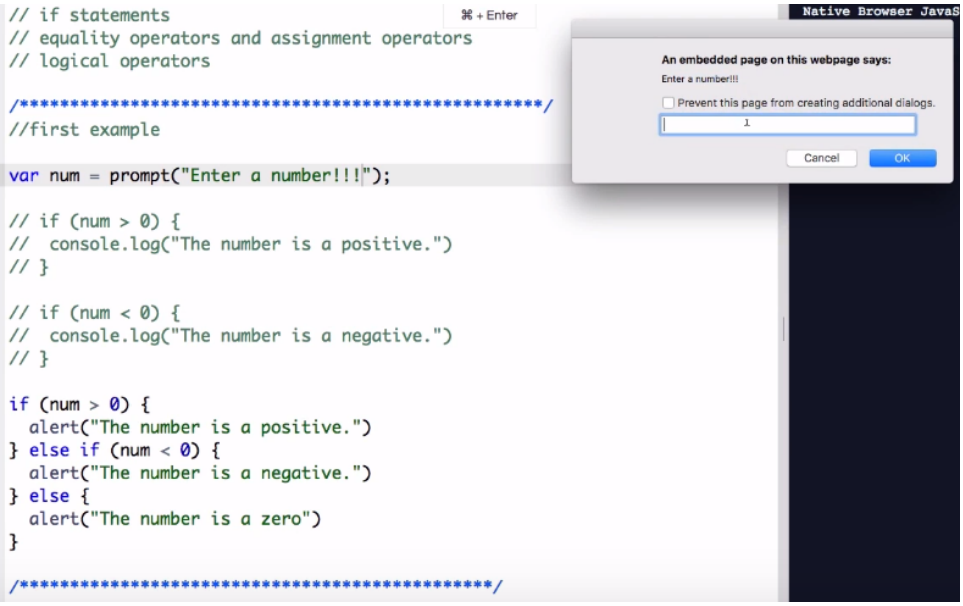
```
// if statements
// equality operators and assignment operators
// logical operators

/*************************************************/
//first example

var num = 0;

// if (num > 0) {
//  console.log("The number is a positive.")
// }

// if (num < 0) {
//  console.log("The number is a negative.")
// }

if (num > 0) {
  console.log("The number is a positive.")
} else if (num < 0) {
  console.log("The number is a negative.")
} else {
  console.log("The number is a zero")
}



/*************************************************/
```

```
>
The number is a zero
```

You may also replace the **console.log()** method with the **alert()** method:



Instead of hard-coding the numbers, we can use the **prompt()** method:



<<<<idea: incorporate this into Helloquence for the conversation switch, except instead of alerts, the choices are buttons that lead to console.log() returning a sentence or another switch>>>>>

Another example:

```
var isRaining = prompt("Is it raining?");

if (isRaining === "yes") {
  alert("Go take an umbrella!");
} else {
  alert("It's ok. You don't need anything.")
}
```

```
// two equal signs or three equal signs are for comparison or equality
  checking
// one equal sign is for assigning values to a variable
```

LOGICAL OPERATORS

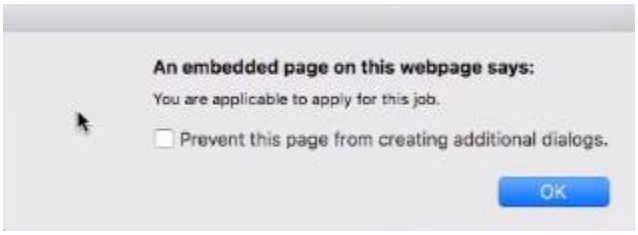
```
// && (and), || (or), ! (not)
```

```
true && true == true
true && false == false
false && true == false
false && false == false


true || true == true
true || false == true
false || true == true
false || false == false

!true == false
!false == true
```

Let’s apply these logical operators to some examples:

Lexi is both 18 AND has a high school degree. She qualifies for a job at Apple.

```
var name = "lexi";
var age = 18;
var highSchool = true;

// JOB AT APPLE
// job requirements : over 18 and high school degree

if (age >= 18 && highSchool === true) {
  alert("You are applicable to apply for this job.")
}
```



Another example: John may not have a high school degree, but he IS over 18. Thus, he qualifies for a job at Amazon.

```
var newGuy = "john";
var age1 = 28;
var highSchool = false;

// JOB AT AMAZON
// job requirements : over 18 or high school degree
if (age >= 18 || highSchool === true) {
  alert("You can apply!")
}
```