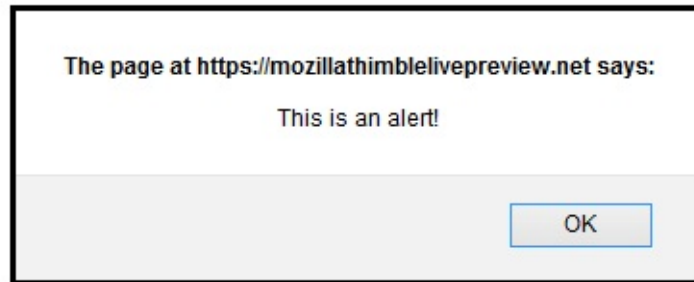


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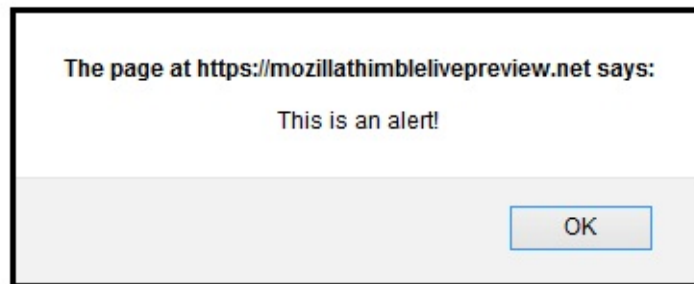
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1 Let's get started with the `prompt()` function. The `prompt()` function is similar to the `alert()` function but it allows a user to input a value.

2 Here's a comparison:
`alert("This is an alert!");`



```
prompt("This is a prompt. A user can enter a value here.");
```



3 What happens when you type in a value and press OK? Nothing. This is because we are not saving the value that the user enters.

4 Let's save the input value and display it to the user.

```
var food = prompt("Enter a food that you enjoy eating.");  
alert("You entered: " + food);
```

Try it and see what else you can come up with.

5 Let's try it with Numbers this time.

```
var age = prompt( "How old are you?" );  
alert( "You are " + age + " years old." );  
var newAge = age + 5;  
alert( "In five years you will be " + newAge + " years old." );
```

Do you see a problem? Try it to see for yourself.

6 The problem was that when we typed in the age and assigned it to the **age** variable, it was considered a **String** and not a **Number**. And so if we add "5" to it, we will not get what we expect.

7 To fix it we need a special function that convert **Strings** to **Numbers**.

This time, after we the user inputs the age, we should write...

```
age = Number.parseInt(age);
```

After that line of code, **age** will represent a **Number** value and not a **String** value.

1 Just like we have Numbers and Strings, Booleans also represent values. But Booleans only represent two values:

```
true and false
```

2 Determining when something is true or false is very important when writing code. Here are six simple ways you can check whether something is true or false.

Operator	Meaning
==	Equal to
!=	Does not equal to
>	Greater than
<	Less than
>=	Greater than or equal to
<=	Less than or equal to

3 Try the following and see what the display. Can you guess what each will show?

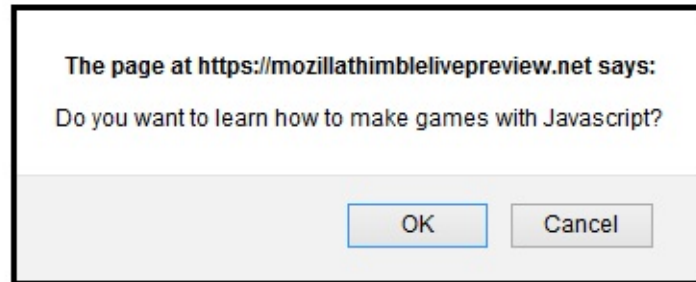
```
alert( "Pizza" == "Pizza" );  
alert( "Bizza" == "Pizza" );  
alert( 55 > 20 );  
alert( 55 > 55 );  
alert( 100 < 8 );  
alert( 9 != 10 );  
alert( 70 >= 70 );
```

4 `(33 >= 99)` is a boolean value, because it is either `true` or `false`.

5 Sometimes, when you are writing a program, you want something specific to happen if a condition is true, and something else to happen if a condition is false.

- 6 Just like the **prompt()** function, there is a function called **confirm()**. This function creates a `true` or `false` value based on what the user presses.

```
confirm( "Do you want to learn how to make games with Javascript?");
```



If the user presses **OK**, the **confirm()** function produces a `true` value, if the user presses **Cancel**, the **confirm()** function produces a `false` value.

- 7 Try this.

```
var answer;  
answer = confirm("Press OK");  
alert("Value is: " + answer );  
answer = confirm("Press Cancel");  
alert("Value is: " + answer );
```

- 8 Now that we know about **Boolean** values, this leads us the next thing we want to learn.

1 Let's jump straight into **if statements** with an example.

In CoderDojo, you have to be under 18 years old to join. So in the code, we can express something similar in this way.

```
var age = prompt( "How old are you?" );
if ( age > 18 ) {
  alert("You are over 18 years old." );
}
```

The `if` condition is `(age > 18)`

2 Try different `if` conditions, like:

```
( age < 18 )
( age <= 18 )
( age == 18 )
( age != 18 )
```

3 How would you change the code above if the age limit was raised to 22? You have to change the `if` condition.

4 There is also something called an `else` statement. The `else` statement is code that will run only if the `if` statement condition is `false`

For example:

```
var age = prompt( "How old are you?" );
if ( age > 18 ) {
  alert("You are over 18 years old." );
} else {
  alert("You are either 18 or under." );
}
```

5 You can even add more `if` statements.

Try this code in your script and change the ages around and see what happens.

```
var age = prompt( "How old are you?" );
if ( age > 18 ) {
  alert("You are over 18 years old." );
} else if ( age < 6 ) {
  alert("You are too young." );
} else {
  alert("You are between 18 and 6 years old." );
}
```

