11. Hello World.

filename: hello_world.js

a) Create a script that stores the text string "Hello" in a variable "hello" and prints this variable to the console.
b) Create a variable "world" that takes care of the text string "World".
c) Now print both variables of the console in only one console.log statement

CHALLENGE

d) Use the variables "hello" and "world" in one or more print sentences to give the printout

```
Hello? World?
```

Solution:

```javascript
var hello = "Hello";
console.log(hello);

var world = "World";
console.log(hello, world);

console.log(hello + "?", world + "?");
```

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12. Calculations.

filename: calculations.js

Use variables a and b.

a) a = 19
b) b = 8

Print to console the parameters below:

c) a added with b
d) b multiplied by a
e) a subtracted with b
f) b divided by a

Solution:

```javascript
var a = 19;
var b = 8;

console.log(a + b);
console.log(b * a);
console.log(a - b);
console.log(b / a);
```

13. The difference between two integers.

filename: difference.js

a) Create a script that requests and reads in two integers.
b) The script will then calculate the difference between the two numbers and print the answer to the console.

Here is an example of what a script execution might look like:

```
Enter the value of x:
> 25
Enter the value of y:
> 19
The difference between x and y is 6.
```

Hint: You do not have to think that the first number may be smaller than the second. It is not necessary to calculate the absolute value of the difference (but feel free to find out how it is done if you want an extra challenge).

Solution:

```javascript
var x = prompt("Enter the value of x");
console.log(x);
var y = prompt("Enter the value of y");
console.log(y);
console.log("The difference between x and y is", (x-y));
```