

# JavaScript Lab 2

## Front-End Web Development

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1. Create a repository on your GitHub account called **fewd\_lab\_8** and open up in GitPod.
2. Create a document file called **fewd\_lab8\_doc** and write down your name and student number followed by a **link** to your **GitHub repository** for this lab.  
*Note: Questions in **pink** will require you to **write down an answer** to a specific question. Write down the number of the question and your answer in this document.*
3. Declare and initialize an array called **'Planets'** with 5 string values.
4. Console.log **each item** using index in the array of Planets.
5. Write down the values that are returned for the below concatenations.

```
var a = 5, b = "Hello ", c = "World!", d = 10;
```

```
a + b;
```

```
b + c;
```

```
a + d;
```

6. Write down the values that are returned for the below comparison expressions.

**Note: It's either true or false.**

```
var a = 5, b = 10, c = "5";  
var x = a;
```

```
a == c;
```

```
a === c;
```

```
a == x;
```

```
a != b;
```

```
a > b;
```

```
a < b;
```

```
a >= b;
```

```
a <= b;
```

```
a >= c;
```

```
a <= c;
```

7. A function is a **block of statements** that can be executed as often as you like. A function can have parameters and can **return** a value. Functions are defined by the **keyword function**, followed by the parameters enclosed in parentheses, followed by the instructions enclosed in curly brackets. Use the keyword **return** to return a value. At the same time return terminates the function. Functions can be assigned to a variable.

```
var color = function() {  
    return 'red';  
};
```

we define a function that returns the value 'red'. The function has no parameters (the parentheses are empty) and contains only the return statement. The function is assigned to the variable color. The function is called via this variable:

```
var result = color();
```

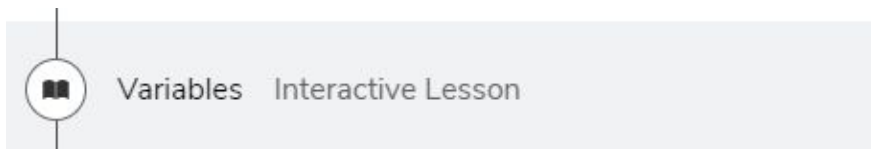
**Declare a variable hello. Assign a function to it returning 'Hello world!'.**

8. **Console.log** the **hello** function.

9. Which value does x have after executing the following code?

```
var hello = function() {  
  return 'Hi!';  
};  
  
var x = hello();
```

Do the <https://www.codecademy.com/learn/introduction-to-javascript> task and finish the **Variables lesson** in the first chapter.



Then finish the other 3 chapters:

## Conditionals

1 lesson, 2 projects, 1 quiz



## Functions

1 lesson, 2 projects, 1 quiz



## Scope

1 lesson, 1 project, 1 quiz



Add a screenshot of the chapters completion to your **fewd\_lab8\_doc** document.