

## Coding Exercise - Interact with JavaScript

### Problem statement:

Create a simple JavaScript file that does the following:

1. Create a variable "web3" that says "Hi, I am web3."
2. Create a variable "num" that contains the number 1337.
3. Output the variable "web3" in the console.
4. Multiple the variable num with 42 and output the result.

*(This topic is covered in lecture 'NodeJS & JavaScript')*

### Hints:

You will need to use "console.log()".

### Solution explanation:

First, we define the variables. Then we output the first. After that, we calculate according to instructions and output the result of that.

### Solution code:

```
// Create a variable "web3" that says "Hi, I am web3."  
var web3 = "Hi, I am web3."  
  
// Create a variable "num" that contains the number 1337.  
var num = 1337;  
  
// Output the variable "web3" in the console.  
console.log(web3);  
  
// Multiply the variable num with 42 and output the result.  
var result = num * 42;  
console.log("Result of num * 42:", result);
```

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Save this code in a file with a **.js** extension, for example, **script.js**. You can then run this script using a JavaScript runtime environment, such as Node.js or by including it in an HTML file and opening it in a web browser. If you're using Node.js, you can run the script from the terminal using the command:

```
node script.js
```

This will display the output in the console as specified in the script.