

## Lesson 06 Demo 03

### Working on Hoisting

**Objective:** To understand hoisting in JavaScript and demonstrate how it works by using an example

**Tools Required:** Visual Studio Code and Node.js

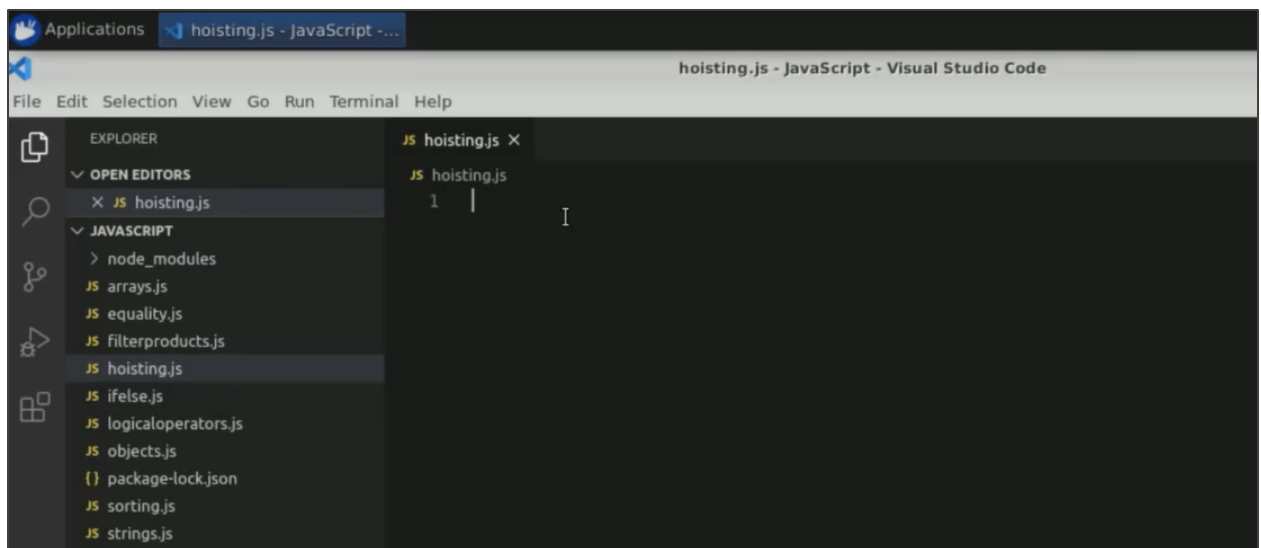
**Prerequisites:** None

#### Steps to be followed:

1. Define a function called greet

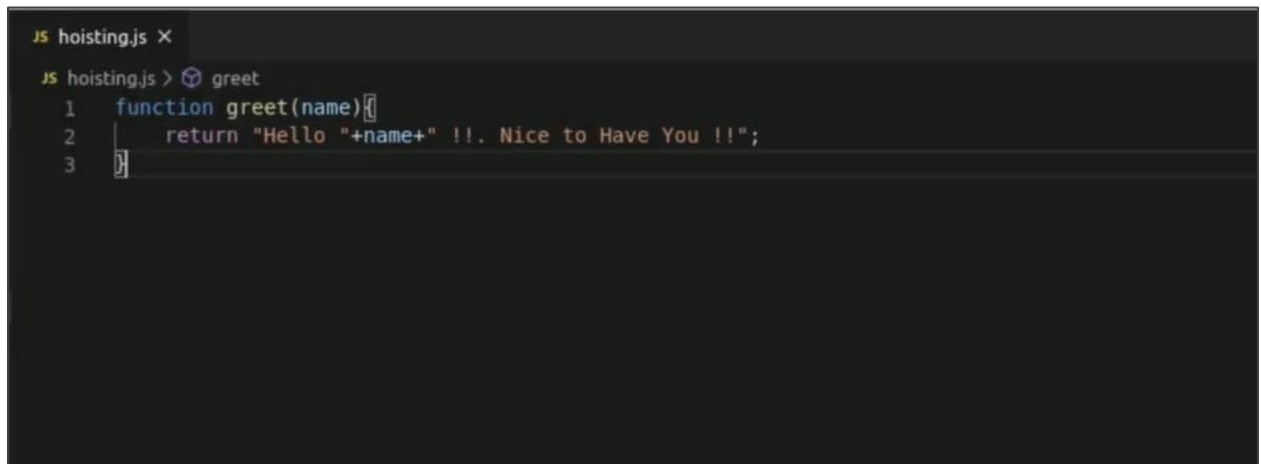
#### Step 1: Define a function called greet

- 1.1 Open Visual Studio Code and create a new JavaScript file named **hoisting.js**



1.2 Write the following code to define the **greet** function:

```
function greet(name) {  
    return "Hello, " + name + " !!. Nice to have you !!";  
}
```




```
JS hoisting.js X  
JS hoisting.js > greet  
1  function greet(name){  
2    |   return "Hello "+name+" !!. Nice to Have You !!";  
3    |   }  
   |
```

1.3 Write the following code to execute the **greet** function with a specific name, such as

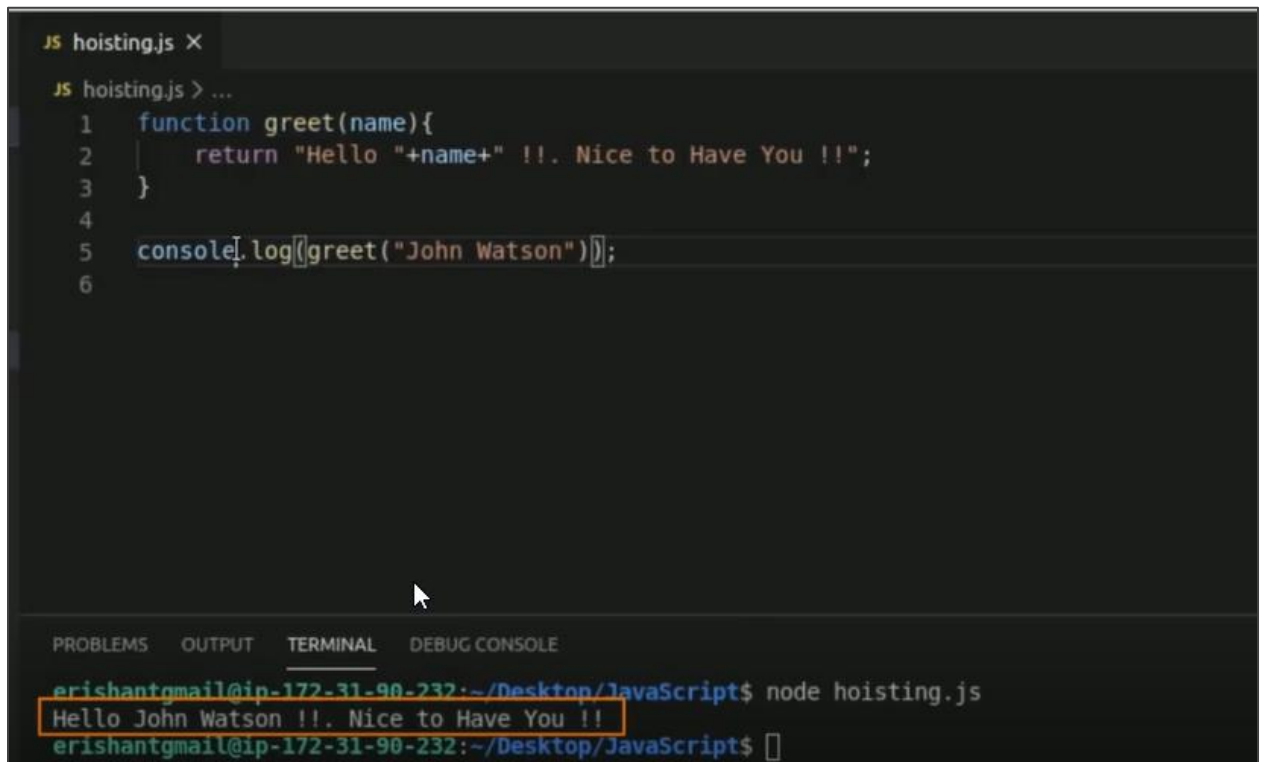
**John Watson:**

```
console.log(greet("John Watson"));
```



```
JS hoisting.js X  
JS hoisting.js > ...  
1  function greet(name){  
2    |   return "Hello "+name+" !!. Nice to Have You !!";  
3    |   }  
4  
5  console.log(greet("John Watson"));  
6
```

#### 1.4 Run the program



The screenshot shows a code editor with a file named `hoisting.js`. The code defines a `greet` function and calls it with the name "John Watson". The terminal output shows the result of the function call.

```
JS hoisting.js X
JS hoisting.js > ...
1  function greet(name){
2      return "Hello "+name+" !!. Nice to Have You !!";
3  }
4
5  console.log(greet("John Watson"));
6

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ node hoisting.js
Hello John Watson !!. Nice to Have You !!
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

By following the above steps, you have successfully implemented hoisting in JavaScript and executed the `greet` function with a specific name and greeting message.