

## Lesson 6 Demo 3

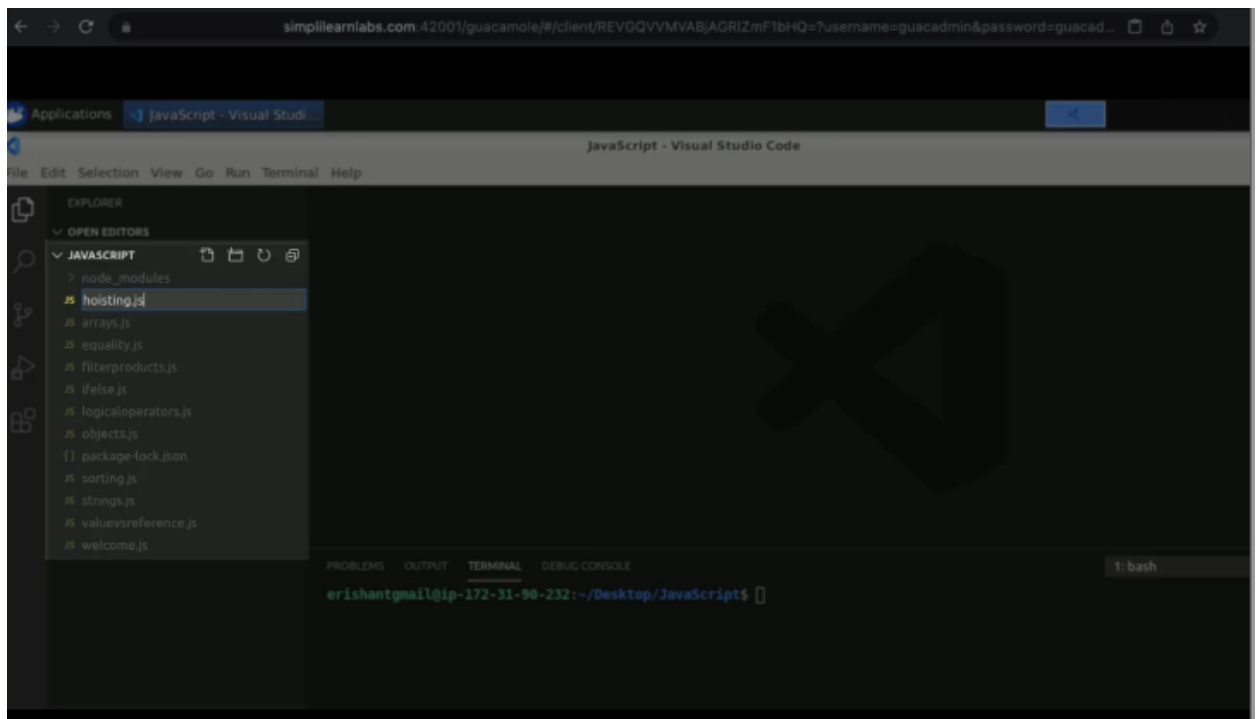
### Working on Hoisting

**Objective:** To work on hoisting

**Prerequisites:** None

#### Steps to perform:

1. Create a file named 'hosting.js'.



2. Add a function named 'greet'.

```

1  function greet(name){
2      return "Hello "+name+" !!. Nice to Have You !!";
3  }
4

```

3. Add a log statement to execute the 'greet' function with the name.

```

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

```

4. Run the code.

The screenshot shows the Visual Studio Code interface with the file `hoisting.js` open. The Explorer sidebar on the left shows a list of JavaScript files. The main editor displays the following code:

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

The terminal at the bottom shows the command `node hoisting.js` being executed, resulting in the output: `Hello John Watson !!. Nice to Have You !!`.

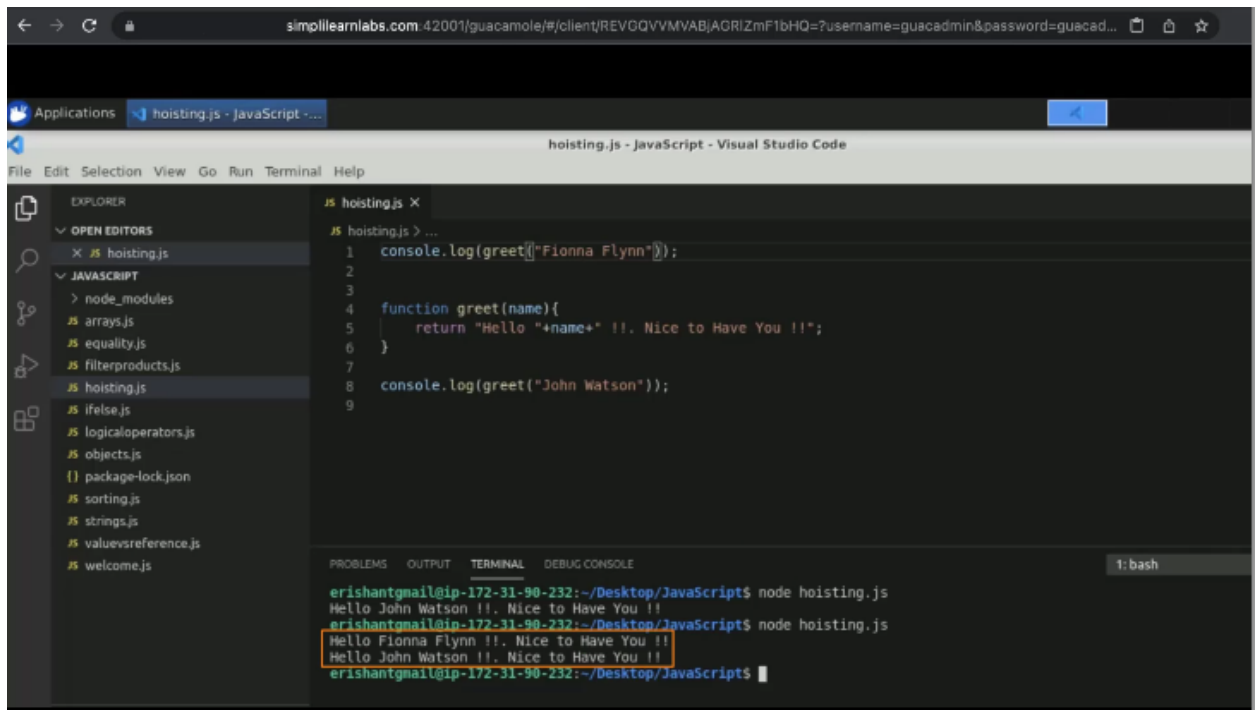
5. Replace the name in the code.

The screenshot shows the Visual Studio Code interface with the file `hoisting.js` open. The file now contains the following code:

```
1 console.log(greet("Fionna Flynn"));
2
3
4 function greet(name){
5   return "Hello "+name+" !!. Nice to Have You !!";
6 }
7
8 console.log(greet("John Watson"));
9
```

The terminal at the bottom shows the command `node hoisting.js` being executed, resulting in the output: `Hello John Watson !!. Nice to Have You !!`.

## 6. Execute the program.



The screenshot shows a Visual Studio Code editor with a file named `hoisting.js` open. The code in the editor is as follows:

```
1 console.log(greet("Fionna Flynn"));
2
3
4 function greet(name){
5     return "Hello "+name+" !!. Nice to Have You !!";
6 }
7
8 console.log(greet("John Watson"));
9
```

The terminal at the bottom shows the execution of the program. The first command is `node hoisting.js`, which outputs `Hello John Watson !!. Nice to Have You !!`. The second command is `node hoisting.js`, which outputs `Hello Fionna Flynn !!. Nice to Have You !!` followed by `Hello John Watson !!. Nice to Have You !!`. The output of the second command is highlighted with a red box.