

Lesson 6 Demo 3

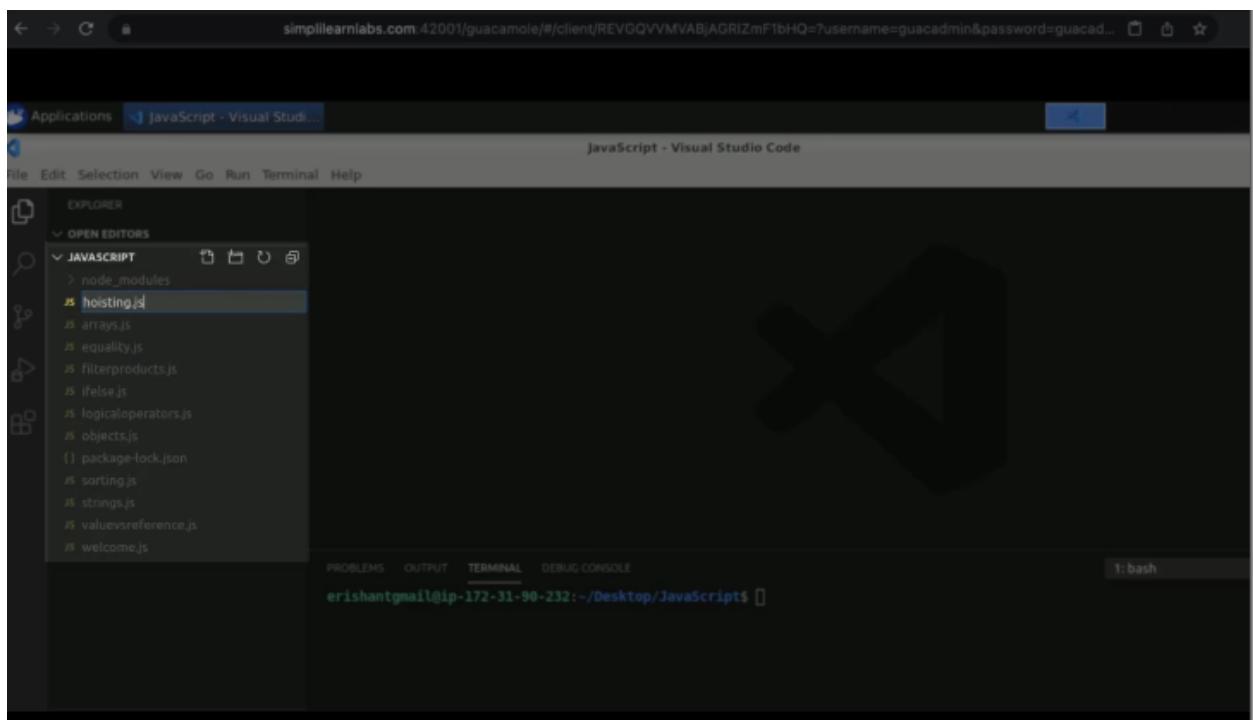
Working on Hoisting

Objective: To work on hoisting

Prerequisites: None

Steps to perform:

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



2. Add a function named 'greet'.

```

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

```

The screenshot shows a Visual Studio Code interface with a dark theme. The left sidebar (Explorer) lists several JavaScript files: 'node_modules', 'arrays.js', 'equality.js', 'filterproducts.js', 'hoisting.js', 'ifelse.js', 'logicaloperators.js', 'objects.js', 'package-lock.json', 'sorting.js', 'strings.js', 'valuesreference.js', and 'welcome.js'. The 'hoisting.js' file is currently selected and open in the main editor area. The code in the editor is:

```

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

```

The bottom status bar shows the terminal path: 'erishant@gmail@ip-172-31-90-232:~/Desktop/JavaScript\$'.

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

```

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

```

The screenshot shows the same Visual Studio Code interface as the previous one. The 'hoisting.js' file is still open, but now it contains an additional line of code at the bottom:

```

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

```

The bottom status bar shows the terminal path: 'erishant@gmail@ip-172-31-90-232:~/Desktop/JavaScript\$'.

- Run the code.

The screenshot shows a Visual Studio Code interface with the title bar "hoisting.js - JavaScript - Visual Studio Code". The Explorer sidebar on the left lists several JavaScript files: hoisting.js, arrays.js, equality.js, filterproducts.js, ifelse.js, logicaloperators.js, objects.js, package-lock.json, sorting.js, strings.js, valuesreference.js, and welcome.js. The main editor area contains the following code:

```

JS hoisting.js > ...
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 run, followed by the output "Hello John Watson !!. Nice to Have You !!".

5. Replace the name in the code.

The screenshot shows a Visual Studio Code interface with the title bar "hoisting.js - JavaScript - Visual Studio Code". The Explorer sidebar on the left lists the same set of JavaScript files as the previous screenshot. The main editor area contains the following code:

```

JS hoisting.js > ...
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 run, followed by the output "Hello Fionna Flynn !!. Nice to Have You !!".

6. Execute the program.

The screenshot shows a Visual Studio Code interface running on a browser window. The title bar indicates the URL is simplilearnlabs.com:42001/guacamole/#/client/REVOQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacad... The main area shows the code editor with a file named 'hoisting.js' containing 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 tab at the bottom shows the output of running the script with node:

```
erishant@gmail@ip-172-31-90-232:~/Desktop/JavaScript$ node hoisting.js
Hello John Watson !!. Nice to Have You !!
erishant@gmail@ip-172-31-90-232:~/Desktop/JavaScript$ node hoisting.js
Hello Fionna Flynn !!. Nice to Have You !!
Hello John Watson !!. Nice to Have You !!
erishant@gmail@ip-172-31-90-232:~/Desktop/JavaScript$
```