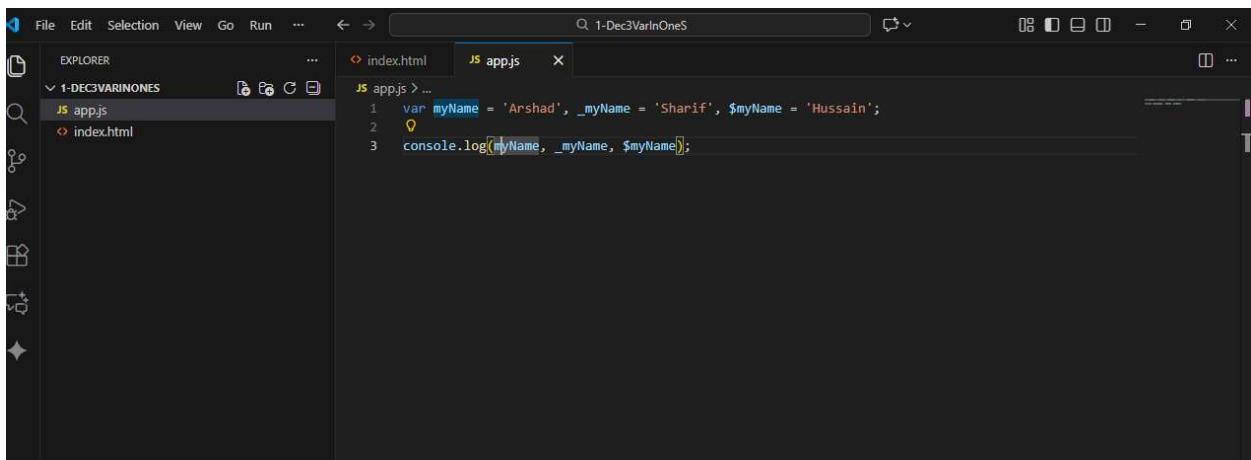


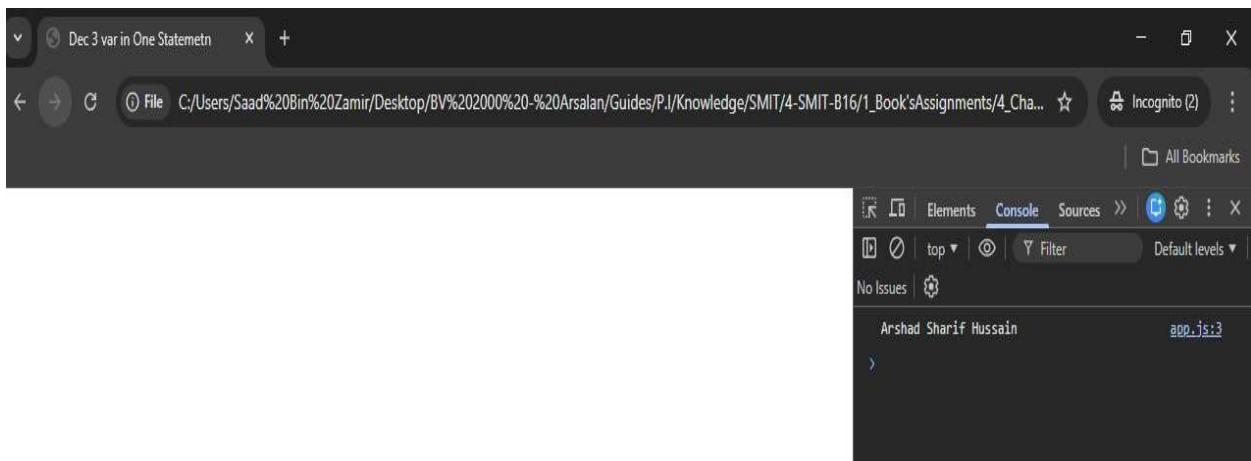
Chapter 4

Assignment1



The screenshot shows a code editor interface with two tabs: 'index.html' and 'JS app.js'. The 'app.js' tab is active, displaying the following code:

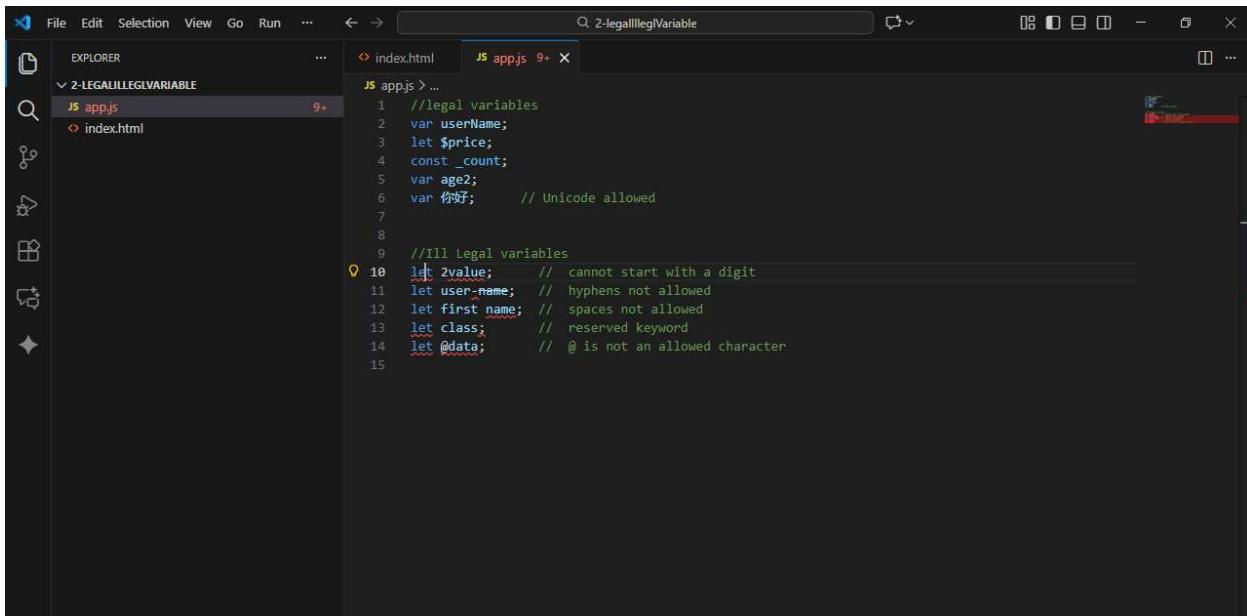
```
1 var myName = 'Arshad', _myName = 'Sharif', $myName = 'Hussain';
2
3 console.log(myName, _myName, $myName);
```



The screenshot shows a browser window with the title 'Dec 3 var in One Statement'. The address bar shows the path: 'C:/Users/Saad%20Bin%20Zamir/Desktop/BV%202000%20-%20Arsalan/Guides/P.J/Knowledge/SMIT/4-SMIT-B16/1_Book'sAssignments/4_Chapter4/Assignment1/app.js'. The browser's developer tools are open, specifically the 'Console' tab, which displays the output of the console.log statement from the previous screenshot.

```
Arshad Sharif Hussain
```

Assignment2



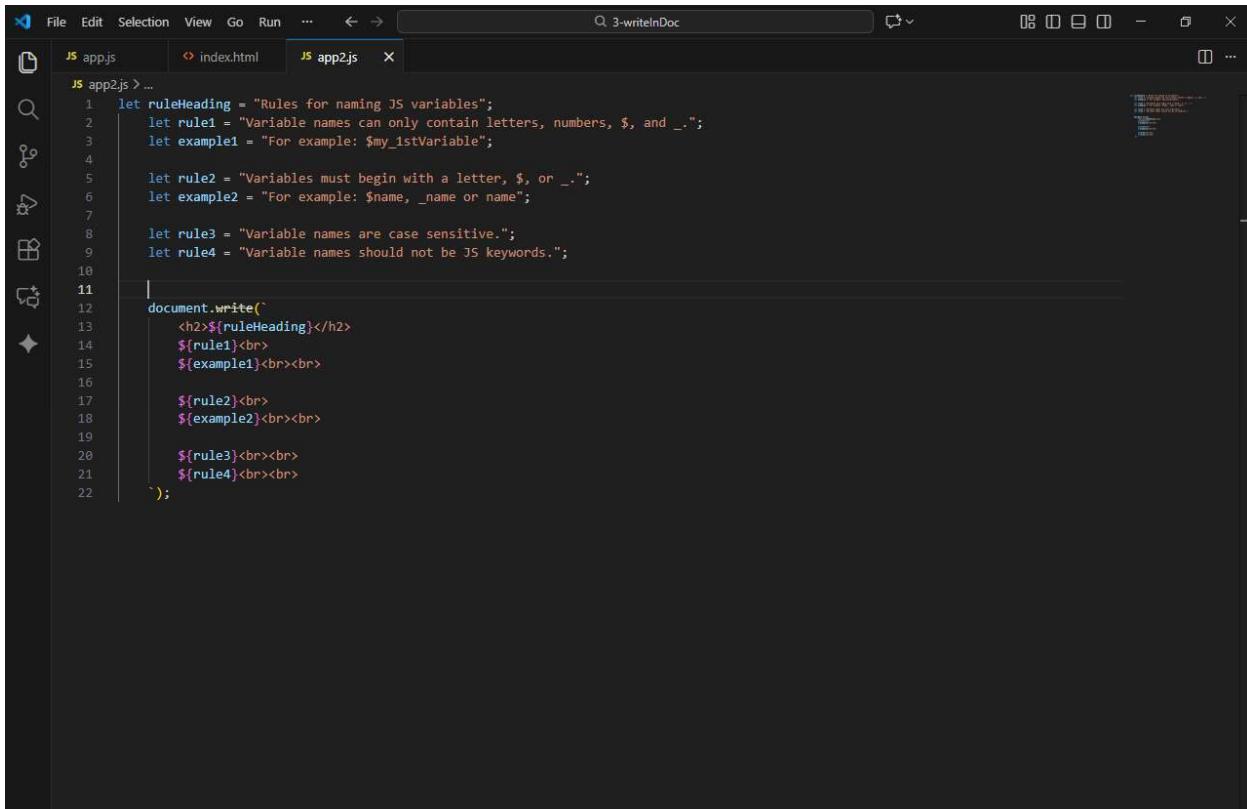
The screenshot shows a dark-themed interface of the Visual Studio Code editor. In the top bar, the title bar displays "Q. 2-legalIllegalVariable". The left sidebar is titled "EXPLORER" and shows a folder named "2-LEGALILLEGALVARIABLE" containing two files: "JS app.js" and "index.html". The main editor area is focused on "JS app.js", which contains the following code:

```
//Legal variables
1 var userName;
2 let $price;
3 const _count;
4 var age2;
5 var 你好;      // Unicode allowed

//Illegal variables
6 let 2value;    // cannot start with a digit
7 let user-name; // hyphens not allowed
8 let first name; // spaces not allowed
9 let class;     // reserved keyword
10 let @data;     // @ is not an allowed character
```

Several lines of code are underlined with red, indicating syntax errors. Line 6 starts with a digit, line 7 contains a hyphen, line 8 contains a space, line 9 is a reserved keyword, and line 10 starts with an '@' symbol.

Assignment3



The screenshot shows a dark-themed interface of the Visual Studio Code editor. In the top bar, the title bar displays "Q. 3-writeInDoc". The left sidebar is titled "EXPLORER" and shows a folder containing "JS app.js" and "index.html". The main editor area is focused on "JS app2.js", which contains the following code:

```
let ruleHeading = "Rules for naming JS variables";
let rule1 = "Variable names can only contain letters, numbers, $, and _.";
let example1 = "For example: $my_1stVariable";

let rule2 = "Variables must begin with a letter, $, or _.";
let example2 = "For example: $name, _name or name";

let rule3 = "Variable names are case sensitive.";
let rule4 = "Variable names should not be JS keywords.";

document.write(`
<h2>${ruleHeading}</h2>
${rule1}<br>
${example1}<br><br>

${rule2}<br>
${example2}<br><br>

${rule3}<br><br>
${rule4}<br><br>
`);
```



Rules for naming JS variables

Variable names can only contain letters, numbers, \$, and _.
For example: \$my_1stVariable

Variables must begin with a letter, \$, or _.
For example: \$name, _name or name

Variable names are case sensitive.

Variable names should not be JS keywords.