

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a tree view of files and folders.
- Search:** Shows a search bar and history.
- Terminal:** Shows the command "node index.js" being run.
- Code Editor:** Displays the content of index.js. The code includes comments and examples for numbers, strings, and null values.
- Output:** Shows the terminal output of the script execution.
- Bottom Status Bar:** Shows the file path "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js", line 11, column 1, and other status information.

```
//Question 1:  
//-----  
  
//This is for number  
  
let a = 16; let a: number  
console.log(a);  
console.log(typeof a)  
  
//-----  
  
// This is for string  
  
// let Name = "Draksha Patle" ;  
// console.log(Name);  
// console.log(typeof Name)  
  
//-----  
//this is for null
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"

16

number

[Done] exited with code=0 in 0.208 seconds

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"

Ln 11, Col 1 Spaces: 4 UTF-8 CRLF () JavaScript Port: 5500

insex.html • JS index.js ×

JS index.js > ...

```
11
12 //-----
13
14
15 //This is for string
16
17 let Name = "Draksha Patle" ;
18 console.log(Name);
19 console.log(typeof Name)
20
21 //-----
22 //this is for null
23
24 // let N = null ;
25 // console.log(N);
26 // console.log(typeof N)
27
28 //-----
29
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

[Done] exited with code=0 in 0.18 seconds

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"

Draksha Patle

string

[Done] exited with code=0 in 0.216 seconds

Ln 33, Col 19 Spaces: 4 UTF-8 CRLF () JavaScript ⚙ Port: 5500

25°C Mostly sunny

ENG US ☰ 15:40 08-12-2022

```
insex.html ● JS index.js ×
JS index.js > ...
16
17 // let Name = "Draksha Patle"
18 // console.log(Name);
19 // console.log(typeof Name)
20
21 //-----
22 //this is for null
23
24 let N = null ;
25 console.log(N);
26 console.log(typeof N)
27 |
28 //-----
29
30 //this is for undefined
31
32 // let N;
33 // console.log(N);
34 // console.log(typeof N)
35
```

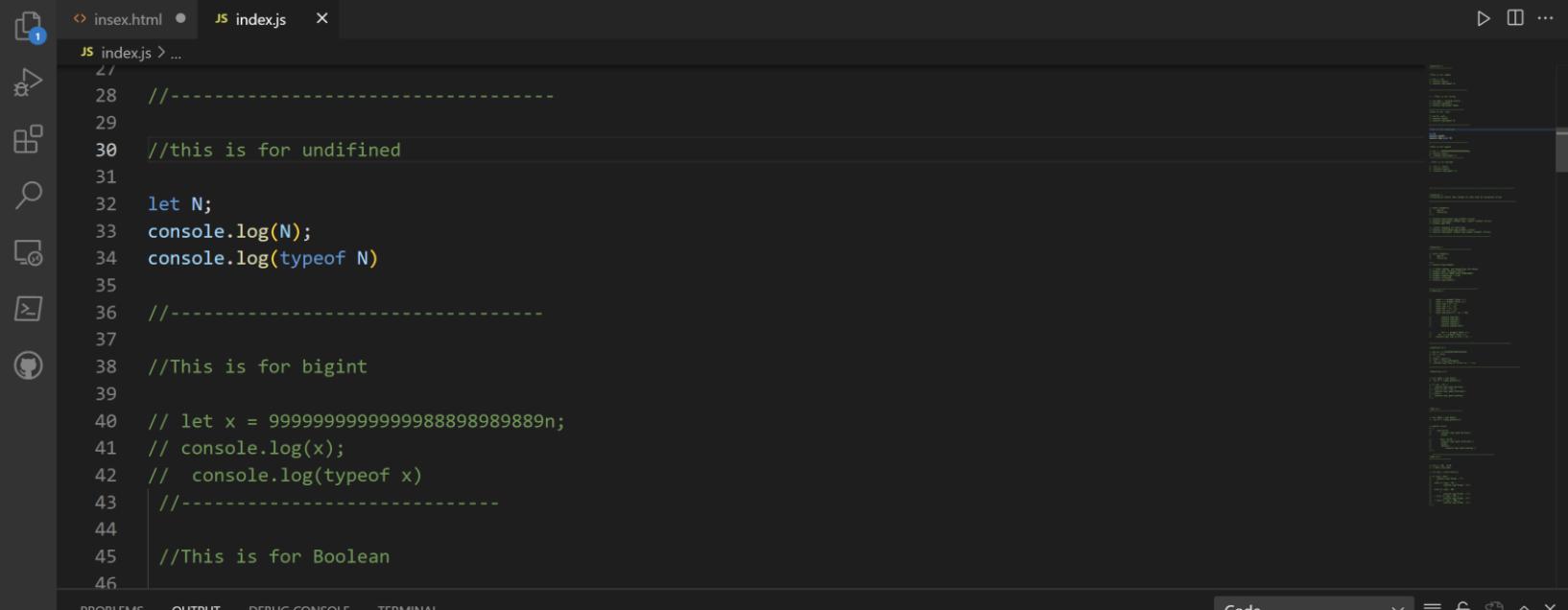
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

[Page 11]

11

[Done] exited with code=0 in 0.181 seconds

Code



The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer (Left):** Shows a single file named "index.js" with a size of 1KB.
- Code Editor (Main Area):** Displays the following JavaScript code:

```
insex.html • JS index.js ×  
JS index.js > ...  
28 //-----  
29  
30 //this is for undefined  
31  
32 let N;  
33 console.log(N);  
34 console.log(typeof N)  
35  
36 //-----  
37  
38 //This is for bigint  
39  
40 // let x = 9999999999999888989889n;  
41 // console.log(x);  
42 // console.log(typeof x)  
43 //-----  
44  
45 //This is for Boolean  
46
```
- Output Panel (Bottom Left):** Shows the output of the previous run:

```
[Done] exited with code=0 in 0.181 seconds
```
- Terminal (Bottom Left):** Shows the command and output of the current run:

```
[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"  
undefined  
undefined
```
- Code View (Bottom Right):** Shows the code in a different view with syntax highlighting.
- Bottom Status Bar:** Includes file path ("index.js"), line/col ("Ln 30, Col 24"), and encoding ("UTF-8").

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer (Left):** Shows two files: "insex.html" and "index.js".
- Code Editor (Main Area):** Displays the content of "index.js".

```
JS index.js > ...
33 // console.log(N);
34 // console.log(typeof N)
35
36 //-----
37
38 //This is for bigint
39
40 let x = 9999999999999988898989889n;
41 console.log(x);
42 console.log(typeof x)
43 //-----
44
45 //This is for Boolean
46
47 // let x = false;
48 // console.log(x);
49 // console.log(typeof x);
50
51
52
```
- Output Panel (Bottom Left):** Shows the output of the run command.

```
[Done] exited with code=0 in 0.214 seconds

[Running] node "c:\Users\darks\OneDrive\Desktop\js\jsfirst\index.js"
9999999999999988898989889n
bigint
```
- Terminal (Bottom Left):** Shows the output of the run command.

```
[Done] exited with code=0 in 0.193 seconds
```
- Code Snippets (Bottom Right):** A sidebar showing various snippets and templates.
- Bottom Status Bar:** Shows file path (Ln 40, Col 36), file type (JavaScript), port (5500), and system status (25°C, ENG US, 15:42, 08-12-2022).

insex.html ● JS index.js ×

JS index.js > ...
42 // console.log(typeof x)
43 //-----
44
45 //This is for Boolean
46
47 let x = false;
48 console.log(x); let x: false
49 console.log(typeof x);
50
51
52
53
54
55
56
57 //-----
58
59
60 //question 2
61 //creating an object then change its data type by assigning string

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

[Done] exited with code=0 in 0.198 seconds

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"

false
boolean

[Done] exited with code=0 in 0.184 seconds

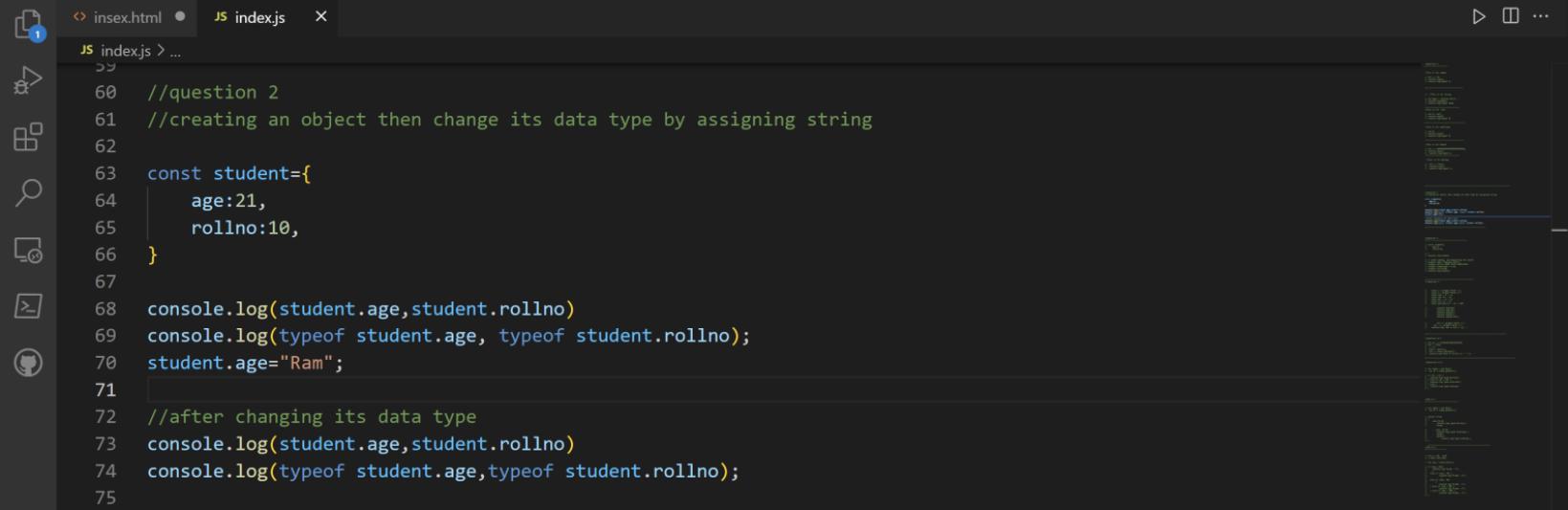


✖ ✕ 0 △ 0



Ln 52, Col 1 Spaces: 4 UTF-8 CRLF () JavaScript ⚙ Port: 5500

25°C ENG US ☰ 15:42 08-12-2022



```
insex.html • JS index.js ×  
JS index.js > ...  
60 //question 2  
61 //creating an object then change its data type by assigning string  
62  
63 const student={  
64     age:21,  
65     rollno:10,  
66 }  
67  
68 console.log(student.age,student.rollno)  
69 console.log(typeof student.age, typeof student.rollno);  
70 student.age="Ram";  
71  
72 //after changing its data type  
73 console.log(student.age,student.rollno)  
74 console.log(typeof student.age,typeof student.rollno);  
75  
76 //-----  
77  
78
```

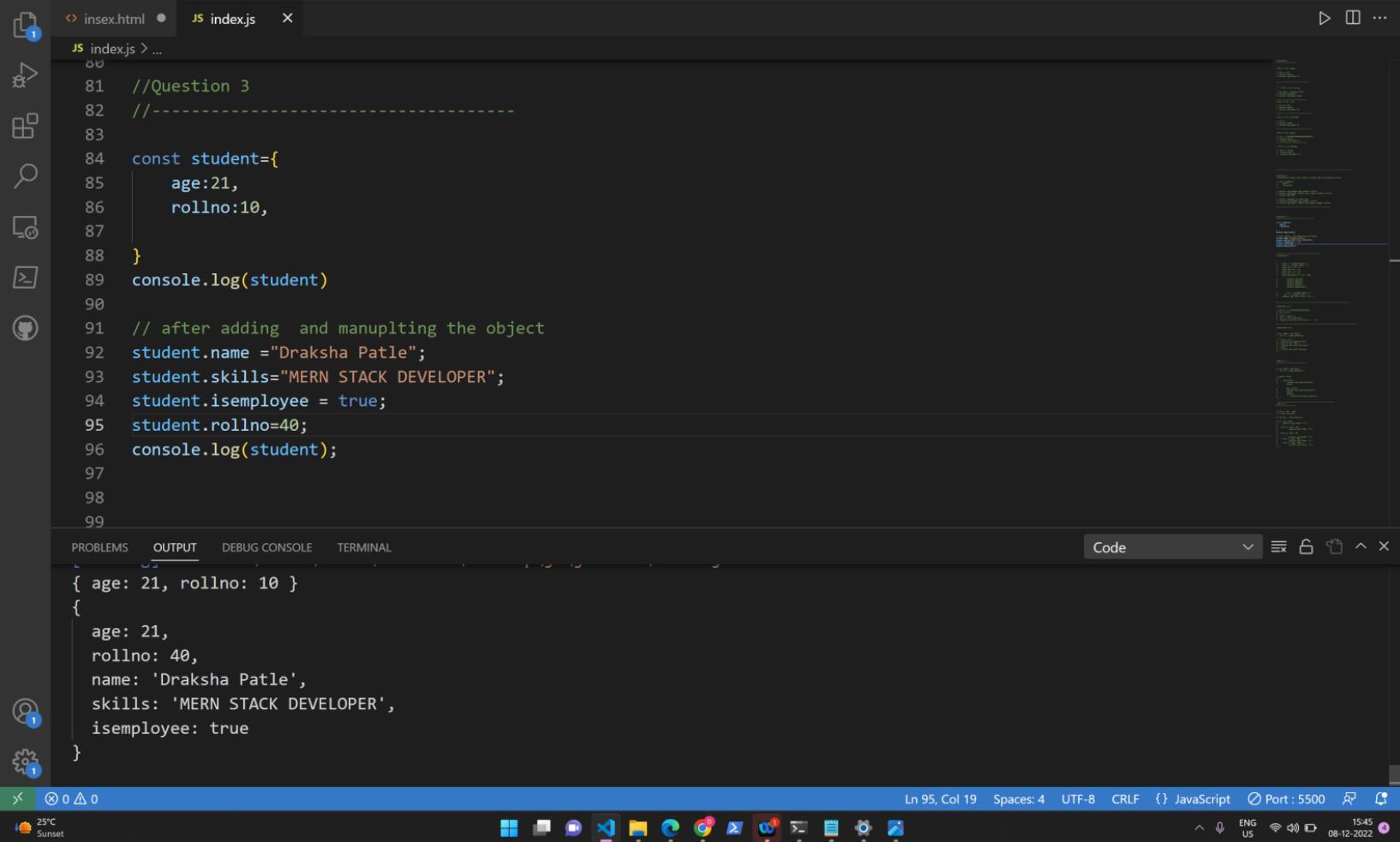
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"
21 10
number number
Ram 10
string number

[Done] exited with code=0 in 0.174 seconds





insex.html • JS index.js ×

JS index.js > ...

```
81 //Question 3
82 //-----
83
84 const student={
85     age:21,
86     rollno:10,
87 }
88 console.log(student)
89
90 // after adding and manuplting the object
91 student.name ="Draksha Patle";
92 student.skills="MERN STACK DEVELOPER";
93 student.isemployee = true;
94 student.rollno=40;
95 console.log(student);
96
97
98
99
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

{ age: 21, rollno: 10 }
{
 age: 21,
 rollno: 40,
 name: 'Draksha Patle',
 skills: 'MERN STACK DEVELOPER',
 isemployee: true
}

Code

Ln 95, Col 19 Spaces: 4 UTF-8 CRLF () JavaScript ⚡ Port: 5500 🔍 ENG US 🌐 15:45 08-12-2022

25°C Sunset

The screenshot shows a development environment with two main windows: a code editor and a browser preview.

Code Editor (Left):

- File Path:** insex.html > index.js
- Content:** A JavaScript script named index.js. It prompts the user for values x and y, then calculates sum, sub, mul, div, and percent based on those inputs. The code uses several console.log statements to output the results.
- Terminal (Bottom Left):** A PowerShell window showing the following output:
 - Windows PowerShell
 - Copyright (C) Microsoft Corporation. All rights reserved.
 - Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>
 - PS C:\Users\draks\OneDrive\Desktop\js\jsfirst> fwd-i-search: _
- Status Bar:** Shows line 30, column 1, spaces: 4, encoding: UTF-8, and a Go Live icon.

Browser Preview (Right):

- Title:** 127.0.0.1:5500/insex.html
- Content:** A modal dialog box titled "127.0.0.1:5500 says" with the instruction "Enter x" and a text input field containing "40". Below the input are "OK" and "Cancel" buttons.
- Console (Bottom Right):** A developer tools console tab showing the following message:
 - Identify your project's root folder to open source files in Visual Studio Code and sync changes. [Set root folder](#) [Don't show again](#) [Learn more](#)
- Status Bar:** Shows the date and time as 08-12-2022 15:47.

The screenshot shows a Visual Studio Code interface with a browser window overlay.

File Explorer: Shows a tree view with 'insex.html' selected. Below it, 'index.js' is expanded, showing the following code:

```
//Question no 4

const x = prompt('Enter x');
const y = prompt('Enter y');
const sum = +x + +y;
const sub =+x - +y;
const mul = +x * +y;
const div =+x / +y;
const percent=(+x / +y) * 100;
    console.log(sum);
    console.log(sub);
    console.log(mul);
    console.log(div);
    console.log(percent);

// let v = prompt('Enter v');


```

Terminal: Shows a Windows PowerShell session:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements!
ts! https://aka.ms/PSWindows

PS C:\Users\draks\OneDrive\Desktop\js\jsfirst> fwd-i-search: _
```

Browser Preview: A modal dialog titled '127.0.0.1:5500 says' is displayed, asking 'Enter y' with a text input field containing '10'. There are 'OK' and 'Cancel' buttons at the bottom.

Bottom Status Bar: Includes icons for file operations, a search bar, line/character counts (Ln 30, Col 1), spaces, encoding, and a Go Live button. It also shows system status like weather (25°C, Mostly sunny) and system time (15:47, 08-12-2022).

File Edit Selection View Go Run ... insex.html - jsfirst - Visual Studio Code - 127.0.0.1:5500/insex.html

insex.html x JS index.js

insex.html > html > body > script

```
12
13     <script>
14
15
16 //Question no 4
17
18 const x = prompt('Enter x');
19 const y = prompt('Enter y');
20 const sum = +x + +y;
21 const sub =+x - +y;
22 const mul = +x * +y;
23 const div =+x / +y;
24 const percent=(+x / +y) * 100;
25     console.log(sum);
26     console.log(sub);
27     console.log(mul);
28     console.log(div);
29     console.log(percent);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\draks\Desktop\js\jsfirst> fwd-i-search: _

127.0.0.1:5500/insex.html

OAuth app x Google M x New tab x New tab x hii this is x hii this is x

Identify your project's root folder to open source files in Visual Studio Code and sync changes. Set root folder Don't show again Learn more

Welcome Elements Console Sources Network Performance Memory

Default levels

50
30
400
4
400
Live reload enabled.

insex.html:25
insex.html:26
insex.html:27
insex.html:28
insex.html:29
insex.html:32

LN 29, Col 30 Spaces: 4 UTF-8 CRLF HTML ⚡ Port: 5500 🔍

25°C Mostly sunny ENG US 15:48 08-12-2022

File Edit Selection View Go Run ... • insex.html - jsfirst - Visual Studio Code

insex.html ● JS index.js

insex.html > html > body > script

```
// console.log(sub);
// console.log(mul);
// console.log(div);
// console.log(percent);

let x = prompt('Enter x');
let y = prompt('Enter y');
console.log(`sum is ${+x + y}`)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements!
ts! <https://aka.ms/PSWindows>

PS C:\Users\draks\Desktop\js\jsfirst> fwd-i-search: _

127.0.0.1:5500 says
Enter x
40

OK Cancel

Identify your project's root folder to open source files in Visual Studio Code and sync changes. Set root folder Don't show again Learn more

Welcome Elements Console Sources Network Performance Memory Application

powershell powershell

LN 33, Col 1 Spaces: 4 UTF-8 CRLF HTML ⚡ Port: 5500 🔍

25°C Mostly sunny ENG US 15:49 08-12-2022

The screenshot shows a dual-pane development environment. On the left is the Visual Studio Code interface, and on the right is a web browser window.

Visual Studio Code (Left):

- File Explorer:** Shows a tree view with 'insex.html' selected.
- Code Editor:** Displays the contents of 'index.js'. The code logs several variables and prompts for user input to calculate a sum.

```
//           console.log(sub);
//           console.log(mul);
//           console.log(div);
//           console.log(percent);

//this is for backtick
let x = prompt('Enter x');
let y = prompt('Enter y');
console.log(`sum is ${+x + y}`)
```

- Terminal:** A Windows PowerShell window is open, showing standard PowerShell output and a command to install the latest version.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements!
ts! https://aka.ms/PSWindows

PS C:\Users\draks\OneDrive\Desktop\js\jsfirst> fwd-i-search: _
```

Browser (Right):

- Address Bar:** Shows the URL `127.0.0.1:5500/insex.html`.
- Console Tab:** Displays the output of the console logs from the script, including the calculated sum.

```
sum is 50
```

System Tray (Bottom Right):

- Battery saver icon: Shows 'Battery saver is on' and 'Consider plugging in your device.'
- Weather icon: Shows '25°C Mostly sunny'.
- System status icons: ENG US, battery level, signal strength, and date/time (08-12-2022, 15:50).

insex.html ● JS index.js ×

```
JS index.js > ...
126
127 //question no 5
128
129 let pi = 3.14159265358979323846;
130 let r, Area;
131 r = 5;
132 Area = (pi*r*r);
133 let n = Area.toFixed(2);
134 console.log("Area of Circle is: " + n);
135
136 //-----
137
138 //Quesntion no 6 |
139
140
141 // var today = new Date()
142 // var Hr = today.getHours()
143
144 // if (Hr < 12) {
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

[Done] exited with code=0 in 0.177 seconds

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"

Area of Circle is: 78.54

[Done] exited with code=0 in 0.25 seconds

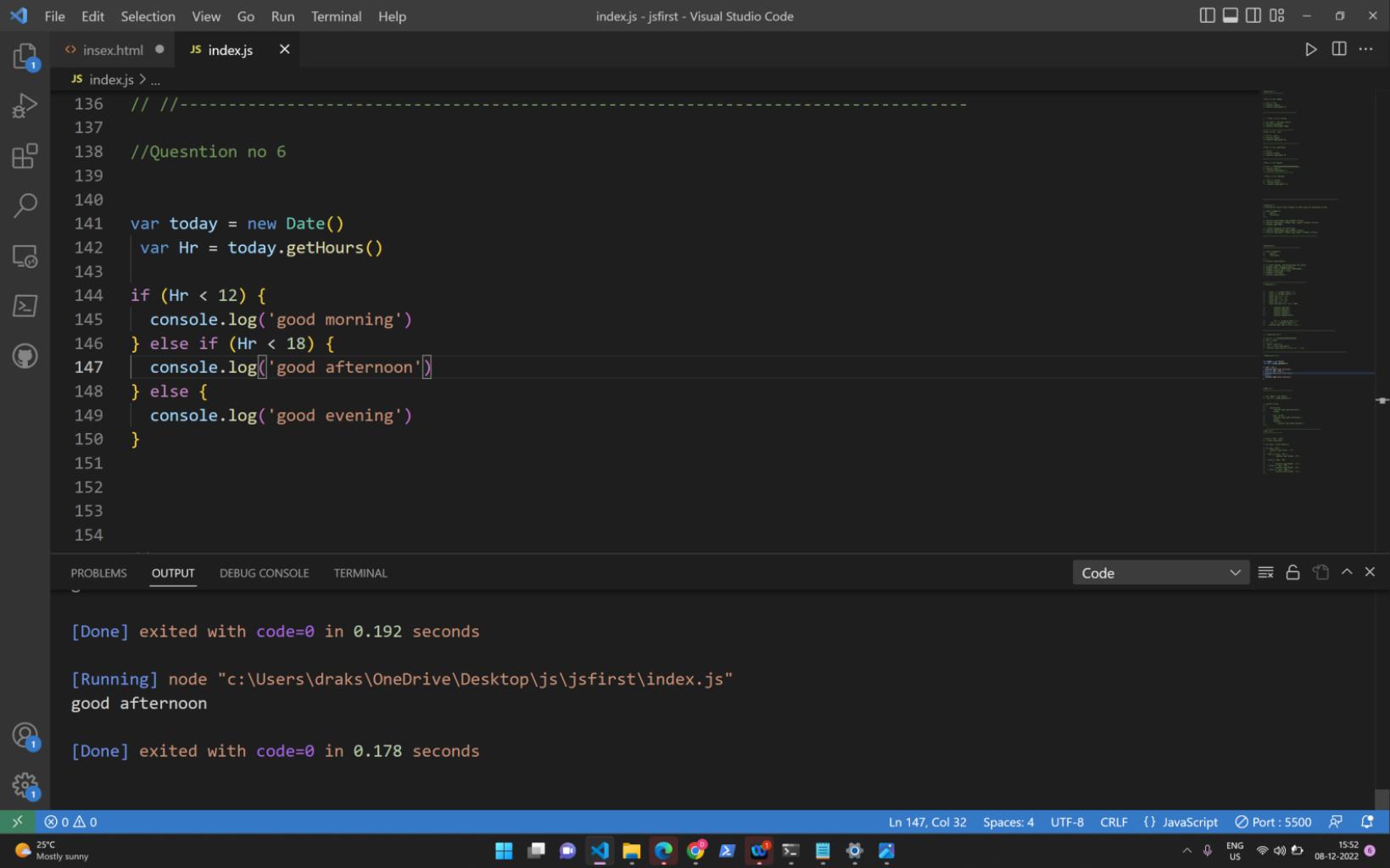


⊗ 0 △ 0

Ln 138, Col 18 Spaces: 4 UTF-8 CRLF () JavaScript ⚡ Port: 5500

25°C ENG US ☰ 15:50 08-12-2022





insex.html • JS index.js ×

```
136 // -----
137
138 //Quesntion no 6
139
140
141 var today = new Date()
142 var Hr = today.getHours()
143
144 if (Hr < 12) {
145     console.log('good morning')
146 } else if (Hr < 18) {
147     console.log('good afternoon')
148 } else {
149     console.log('good evening')
150 }
151
152
153
154
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

[Done] exited with code=0 in 0.192 seconds

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"
good afternoon

[Done] exited with code=0 in 0.178 seconds





The screenshot shows a Visual Studio Code interface with the following details:

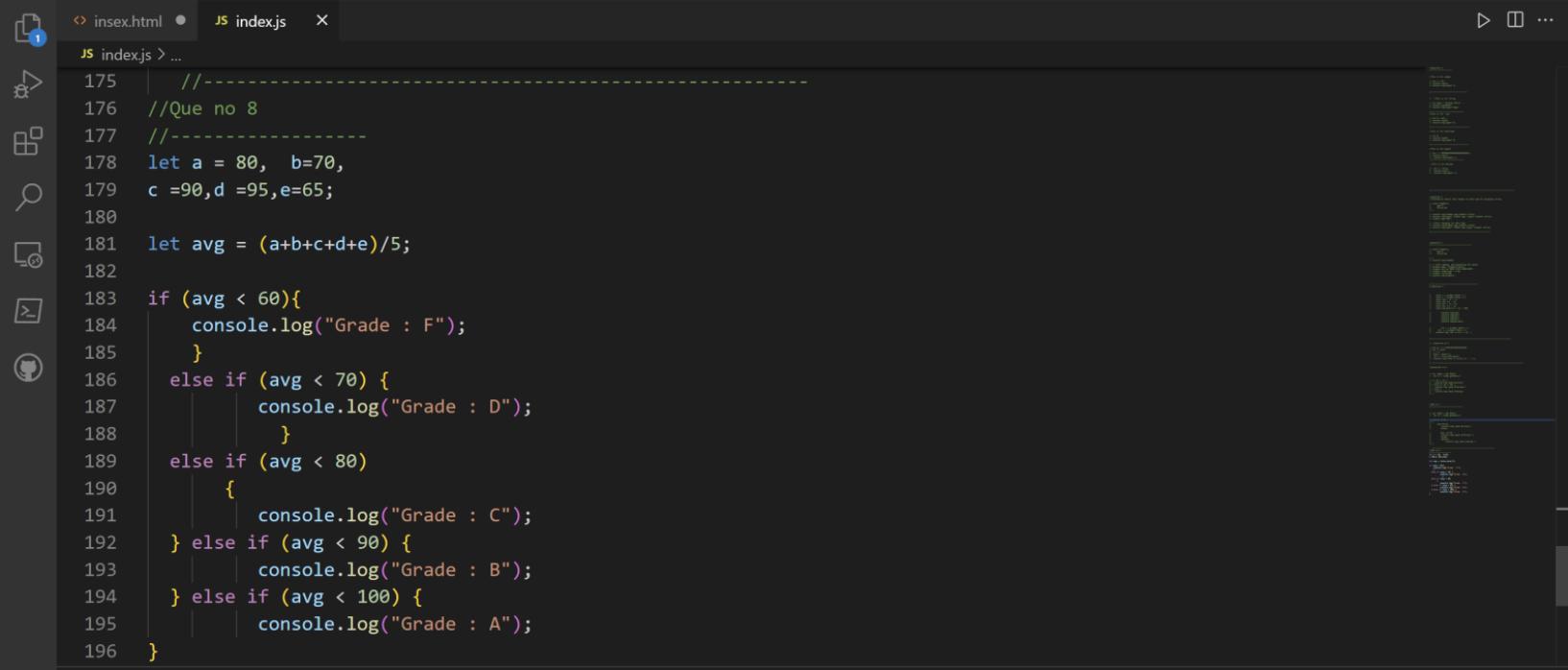
- File Explorer:** Shows two files: "insex.html" and "index.js".
- Code Editor:** Displays the content of "index.js". The code uses a switch statement to log different messages based on the hour of the day.

```
154  
155 //Que no 7  
156 //-----  
157  
158  
159 var today = new Date()  
160 var Hr = today.getHours()  
161  
162 switch (true)  
163 {  
164     case Hr<12:  
165         console.log('good morning');  
166         break;  
167  
168     case Hr<18 :  
169         console.log('good afternoon');  
170         break;  
171     default:  
172         console.log('good evening');  
173 }  
174
```

- Terminal:** Shows the output of running the script with Node.js, displaying "good afternoon".
- Status Bar:** Shows the file path "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js", the status "CODE=0", and the execution time "0.19 seconds".

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"
good afternoon

[Done] exited with code=0 in 0.19 seconds



```
insex.html • JS index.js ×
JS index.js > ...
175 | //-----
176 //Que no 8
177 //-----
178 let a = 80, b=70,
179 c =90,d =95,e=65;
180
181 let avg = (a+b+c+d+e)/5;
182
183 if (avg < 60){
184     console.log("Grade : F");
185 }
186 else if (avg < 70) {
187     console.log("Grade : D");
188 }
189 else if (avg < 80)
190 {
191     console.log("Grade : C");
192 } else if (avg < 90) {
193     console.log("Grade : B");
194 } else if (avg < 100) {
195     console.log("Grade : A");
196 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Code

[Done] exited with code=0 in 0.201 seconds

[Running] node "c:\Users\draks\OneDrive\Desktop\js\jsfirst\index.js"

Grade : B

[Done] exited with code=0 in 0.22 seconds