Lesson 02 Demo 01

Differentiating Between Equal to and Strict Equality Operator

Objective: To demonstrate the usage of the comparison operators == and === in JavaScript

Tools Required: Visual Studio Code and Node.js

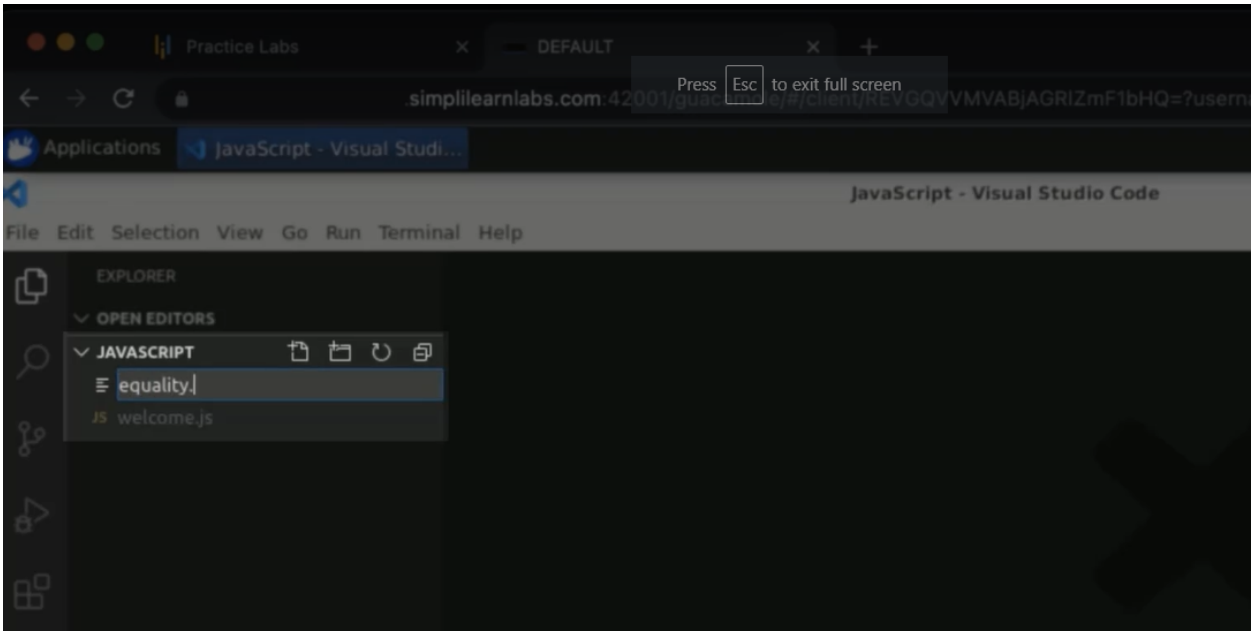
Prerequisites: None

Steps to be followed:

1. Distinguish between == and ===

Step 1: Distinguish between == and ===

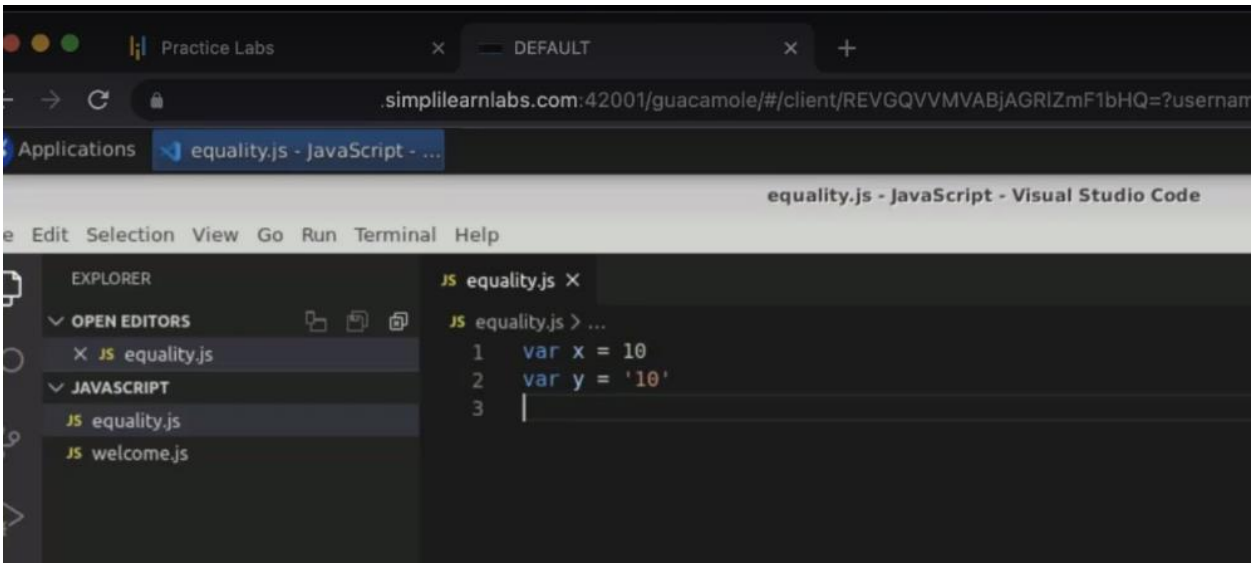
1.1 Open Visual Studio Code and create a new file named **equality.js**



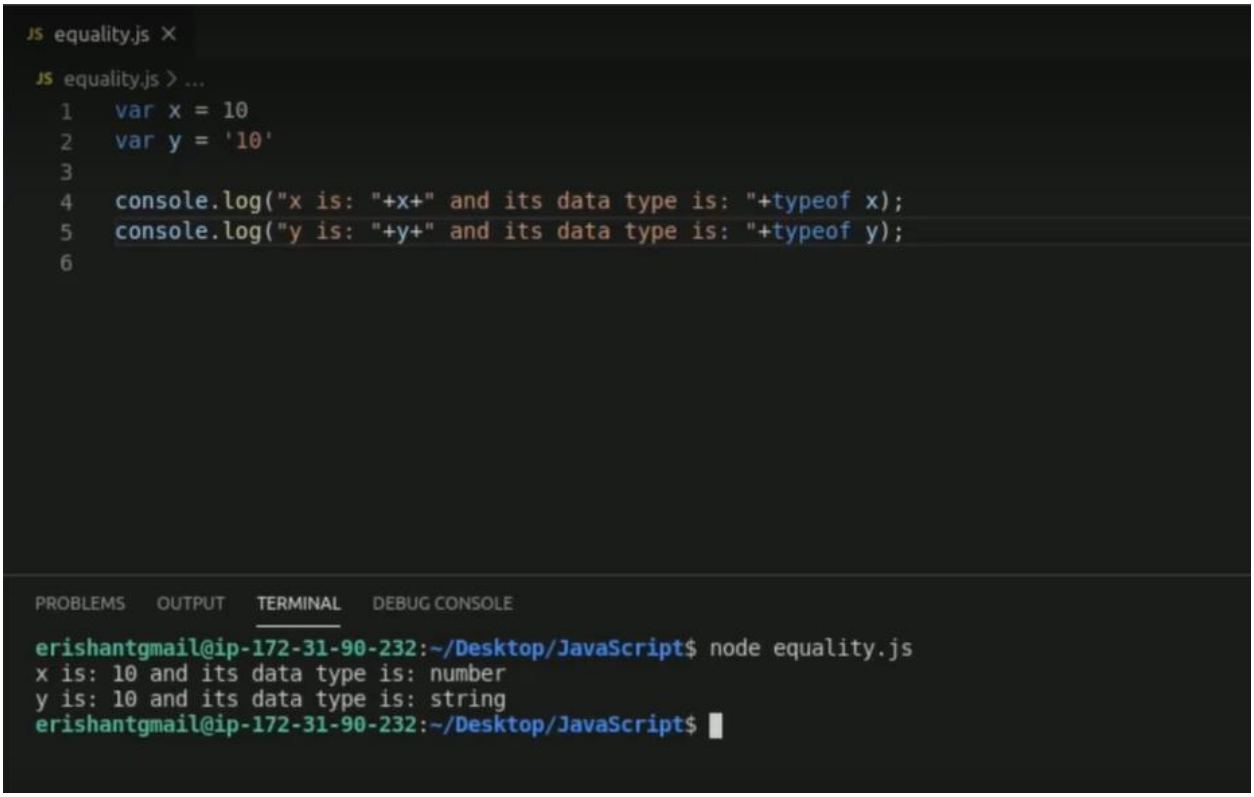
1.2 In the **equality.js** file, declare variables **x** and **y** with the value **10**:

var x = 10

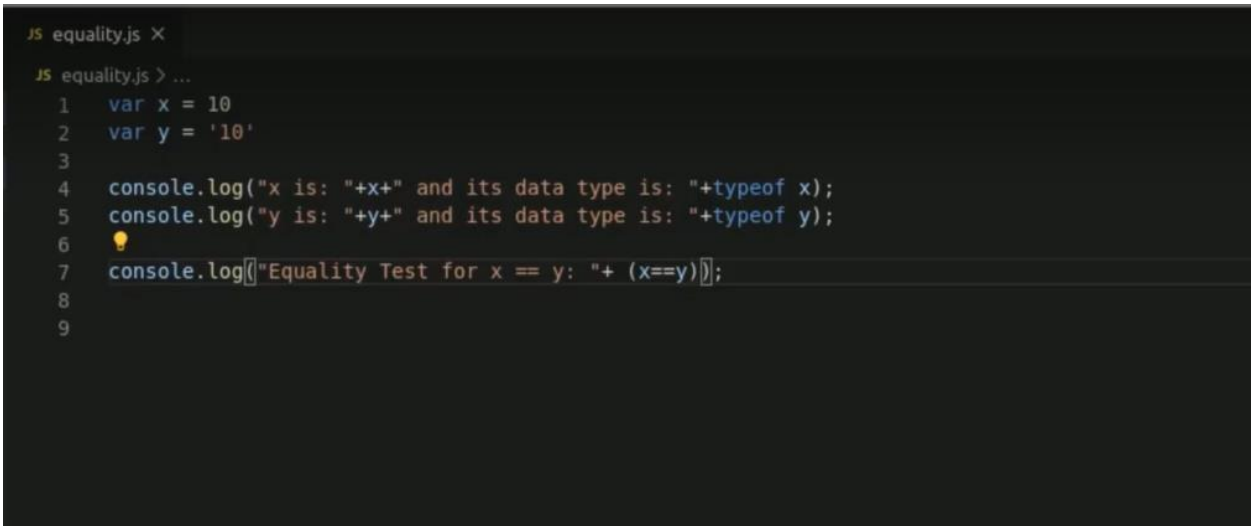
var y = '10'



1.3 Log the values of **x** and **y** to verify their contents

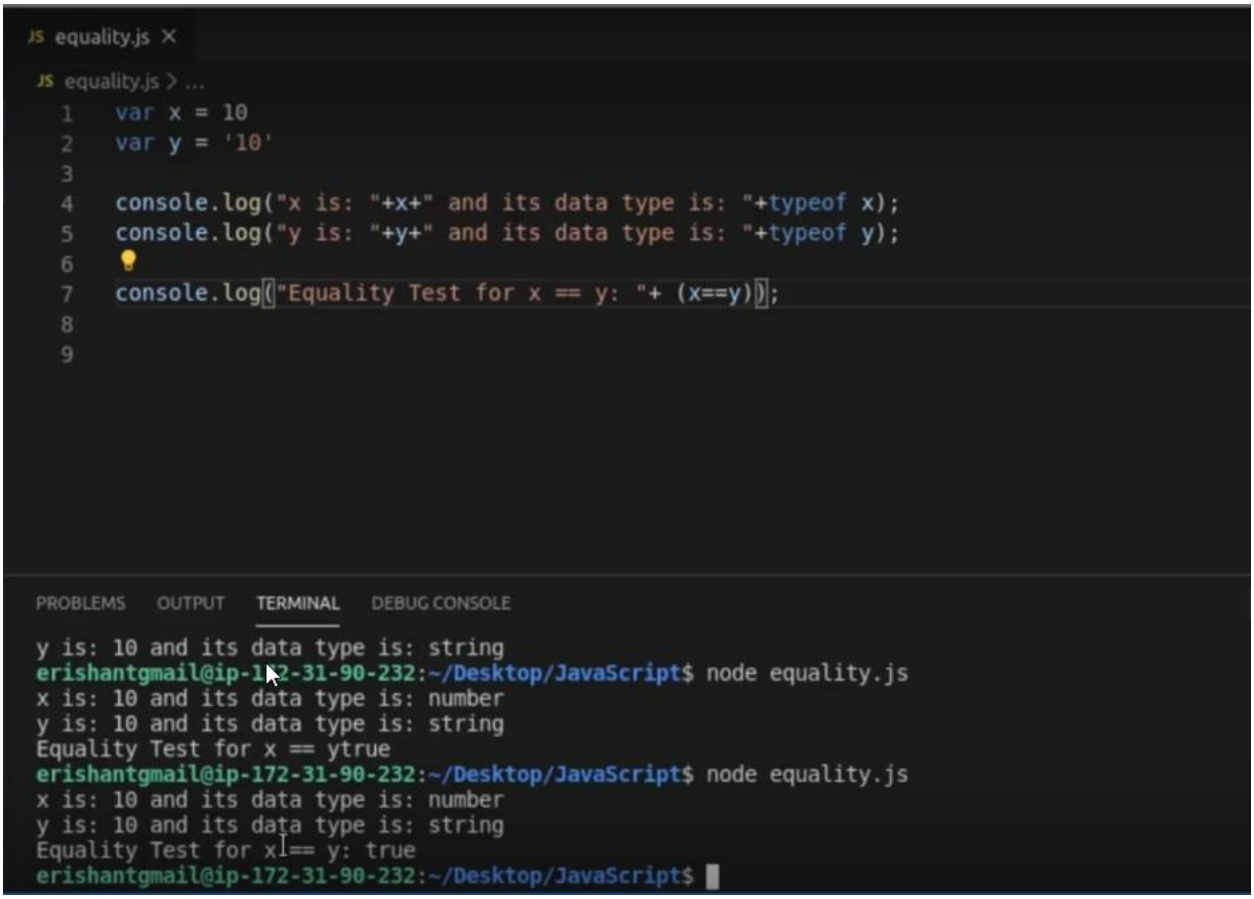


1.4 Use the **console.log()** function to compare **x** and **y** using the == operator



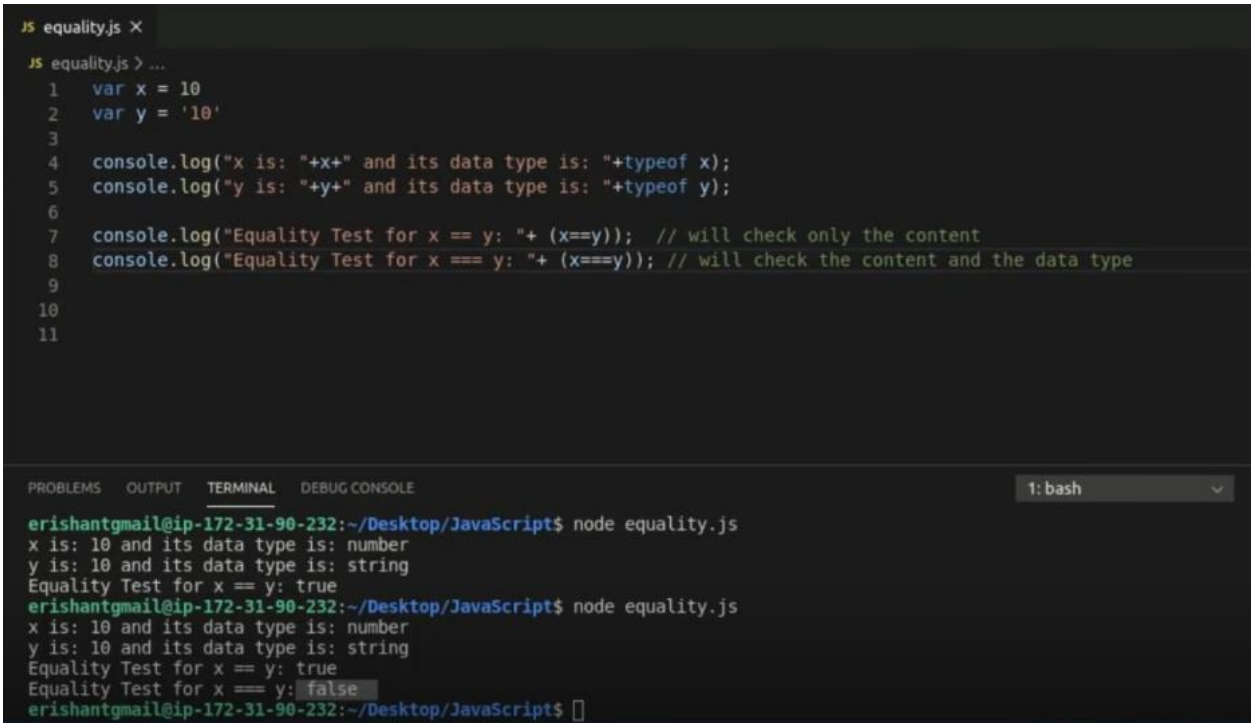
1.5 Run the JavaScript program again using Node.js:

node equality.js



Observe the output on the console. If **x** and **y** have the same value and data type, it will print **true**. Otherwise, it will print **false**.

1.6 Use the **console.log()** function to compare **x** and **y** using the triple equal to operator. Rerun the program



Analyze the outputs of the two comparison operations

Note: The == operator compares only the content, while the === operator checks both the content and the data type.

By following the above steps, you have successfully demonstrated the usage of equal to and strict equality operators in JavaScript.