**Test 2 for Javascript**

**Code:**

 var n=prompt("Enter the Name of the City")

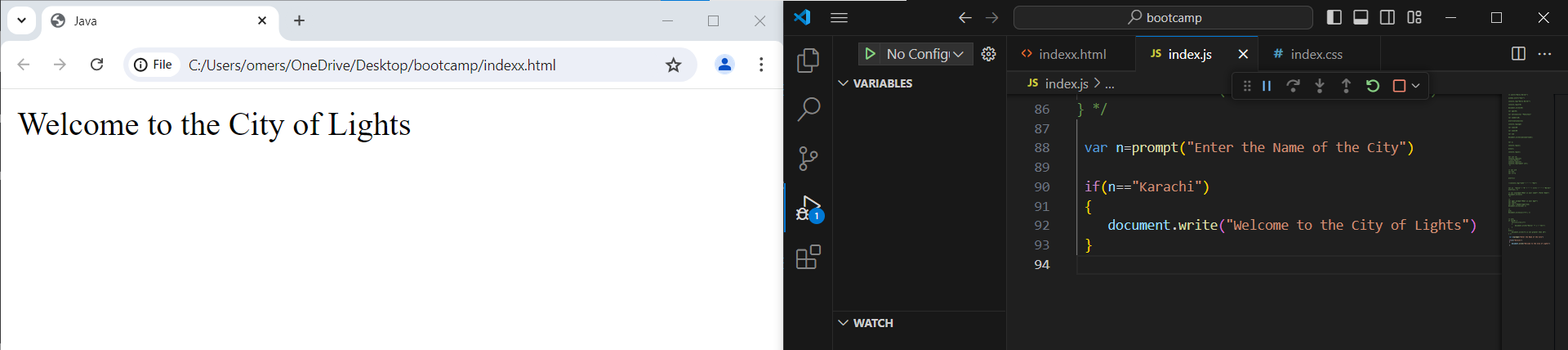
 if(n=="Karachi")

 {

    document.write("Welcome to the City of Lights")

 }

**Output:**

****

Code:

var n=prompt("Enter Signal Color")

 if(n=="red")

 {

    document.write("<h2>Must STOP!</h2>")

 }

 else if(n=="yellow")

 {

    document.write("<h2>READY TO MOVE</h2>")

 }

 else if("n==green")

 {

    document.write("<h2>GO!</h2>")

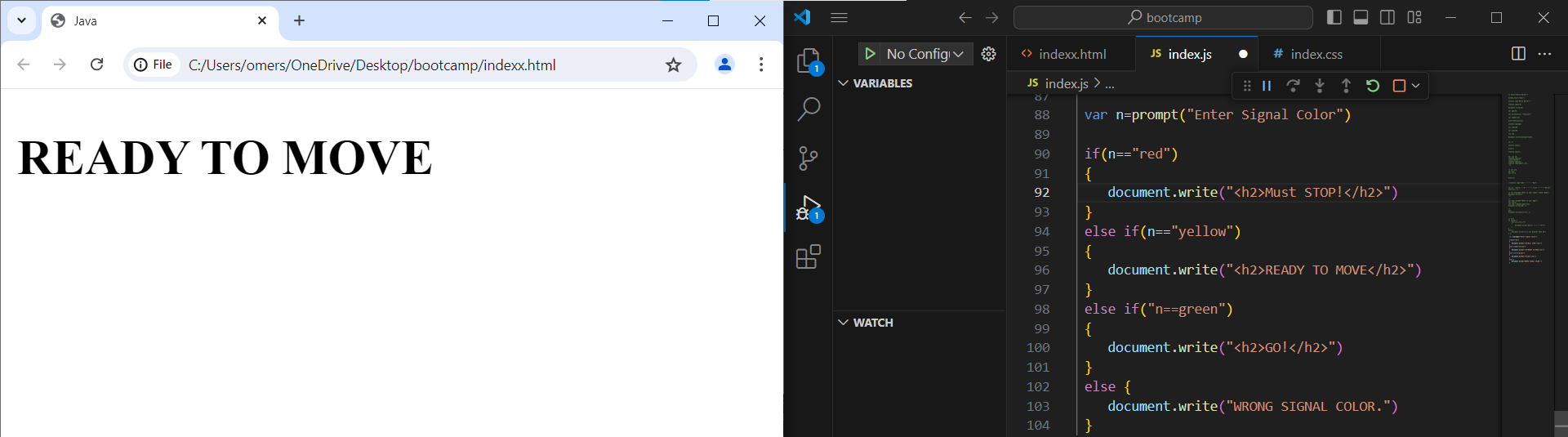
 }

 else {

    document.write("WRONG SIGNAL COLOR.")

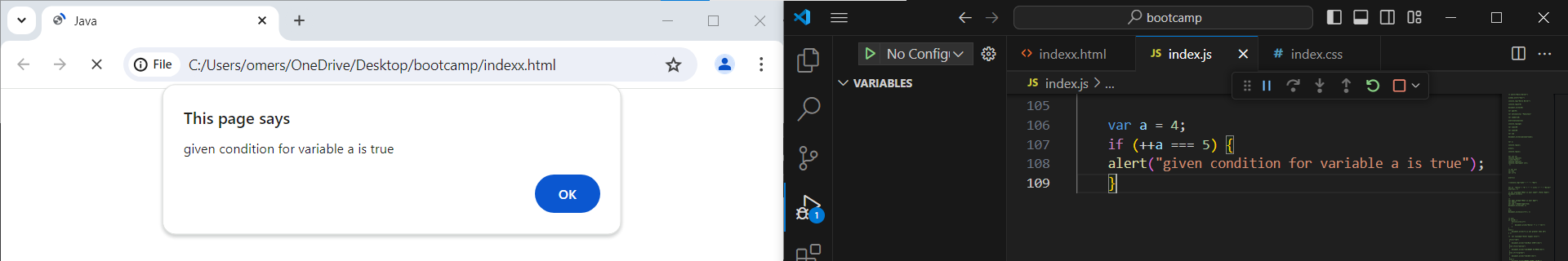
 }

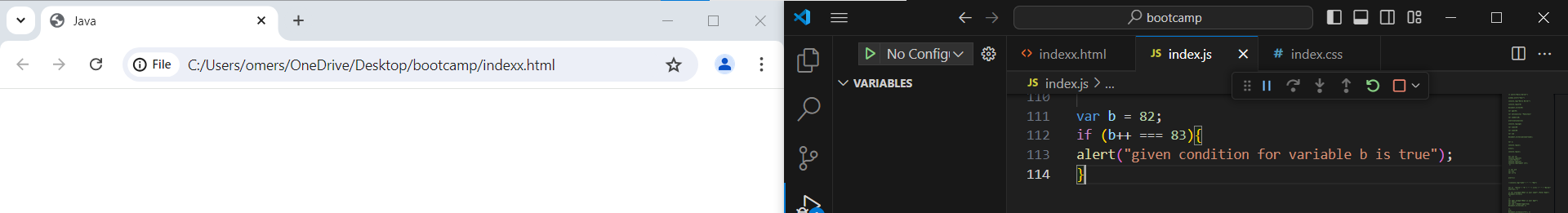
Output:



Code:

Output:





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Code:

var a=prompt("Enter Subject 1 Marks:")

var b=prompt("Enter Subject 2 Marks:")

var c=prompt("Enter Subject 3 Marks:")

var sum = parseFloat(a) + parseFloat(b) + parseFloat(c);

document.write("<h1>Mark Sheet</h1><br><br>")

var percent= (sum/300)\*100

if(percent>=80)

{

document.write("<p>Total Marks: 300</p><br>")

document.write("<p>Obtained Marks: " + sum +"</p><br>")

document.write("<p>Percentage: "+ percent +"%</p><br>")

document.write("<p>Grade: A</p><br>")

document.write("<p>Execelent!</p><br>")

}

else if(percent>=70) {

    document.write("<p>Total Marks: 300</p><br>")

    document.write("<p>Obtained Marks: " + sum +"</p><br>")

    document.write("<p>Percentage: "+ percent +"%</p><br>")

    document.write("<p>Grade: B</p><br>")

    document.write("<p>Good</p><br>")

}

else if(percent>=60)

{

document.write("<p>Total Marks: 300</p><br>")

document.write("<p>Obtained Marks: " + sum +"</p><br>")

document.write("<p>Percentage: "+ percent +"%</p><br>")

document.write("<p>Grade: C</p><br>")

document.write("<p>Needs to be Improved!</p><br>")

}

else if(percent<60)

{

    document.write("<p>Total Marks: 300</p><br>")

    document.write("<p>Obtained Marks: " + sum +"</p><br>")

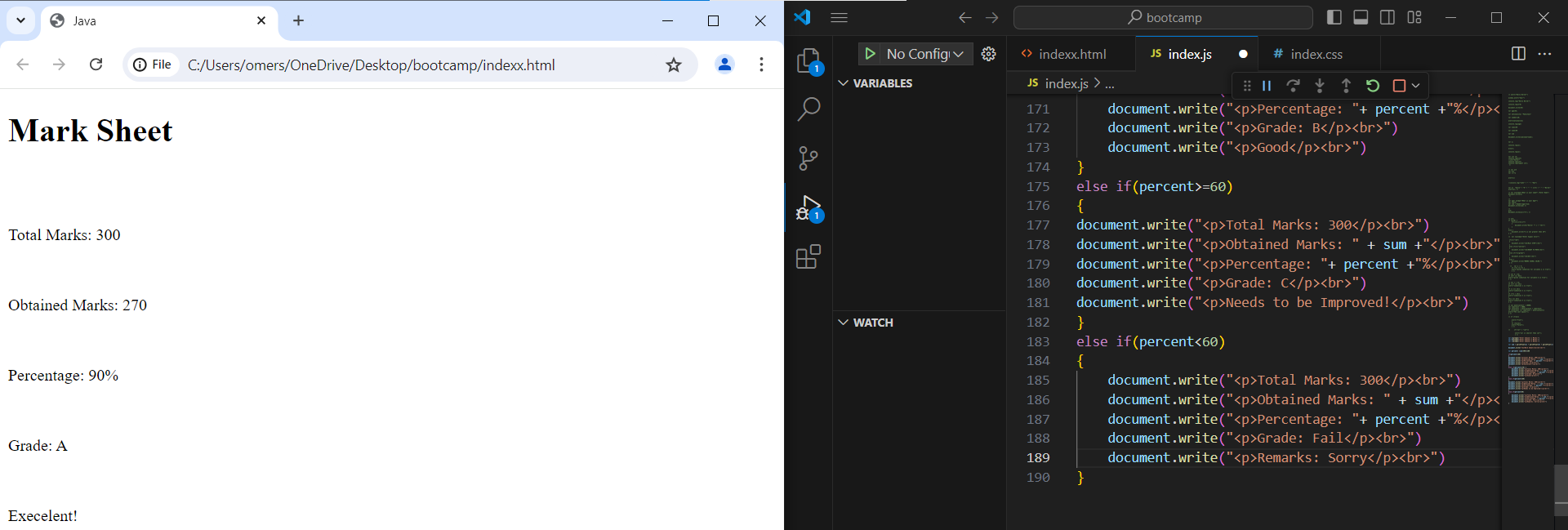
    document.write("<p>Percentage: "+ percent +"%</p><br>")

    document.write("<p>Grade: Fail</p><br>")

    document.write("<p>Remarks: Sorry</p><br>")

}

Output:



Code:

var a=4

var guessnumber=prompt("Enter a Number(1-10): ")

if(a==parseInt(guessnumber))

{

    document.write("You have Guessed Right!");

}

else if (++a==parseInt(guessnumber))

{

    document.write("Wrong,Close enough!");

}

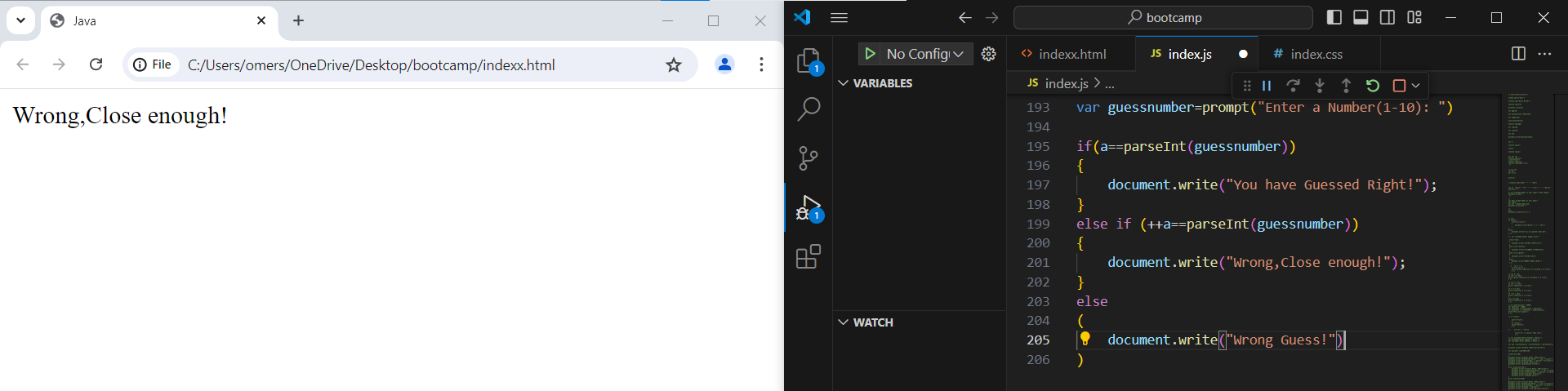
else

(

    document.write("Wrong Guess!")

)

Output:



Code:

var input=prompt("Enter Number to check if even/odd: ")

if(parseInt(input)%2==0)

{

    alert("Your Number is EVEN!")

}

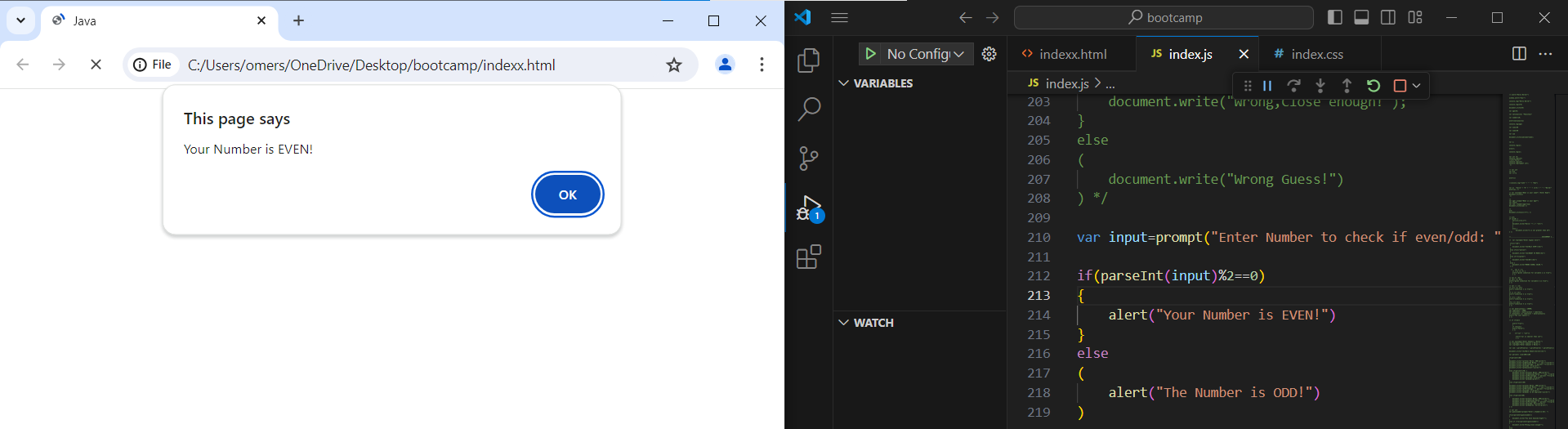
else

(

    alert("The Number is ODD!")

)

Output:



Code:

var num1=prompt("Enter Number 1: ")

var num2=prompt("Enter Number 2: ")

var operator=prompt("Enter Operator: ")

if(operator=="+")

{

    document.write("Number 1 is: "+ num1 + "<br>")

    document.write("Number 2 is: "+ num2 + "<br>")

    var sum=parseInt(num1) + parseInt(num2)

    document.write("Sum is: " + sum)

}

else if(operator=="-")

{

    document.write("Number 1 is: "+ num1 + "<br>")

    document.write("Number 2 is: "+ num2 + "<br>")

    var sum=parseInt(num1) - parseInt(num2)

    document.write("Subtraction is: " + sum)

}

else if(operator=="x")

{

    document.write("Number 1 is: "+ num1 + "<br>")

    document.write("Number 2 is: "+ num2 + "<br>")

    var sum=parseInt(num1) \* parseInt(num2)

    document.write("Multiplication is: " + sum)

}

else if(operator=="/")

{

    document.write("Number 1 is: "+ num1 + "<br>")

    document.write("Number 2 is: "+ num2 + "<br>")

    var sum=parseInt(num1) / parseInt(num2)

    document.write("Division is: " + sum)

}

else  if(operator=="%")

{

    document.write("Number 1 is: "+ num1 + "<br>")

    document.write("Number 2 is: "+ num2 + "<br>")

    var sum=parseInt(num1) % parseInt(num2)

    document.write("MOD is: " + sum)

}

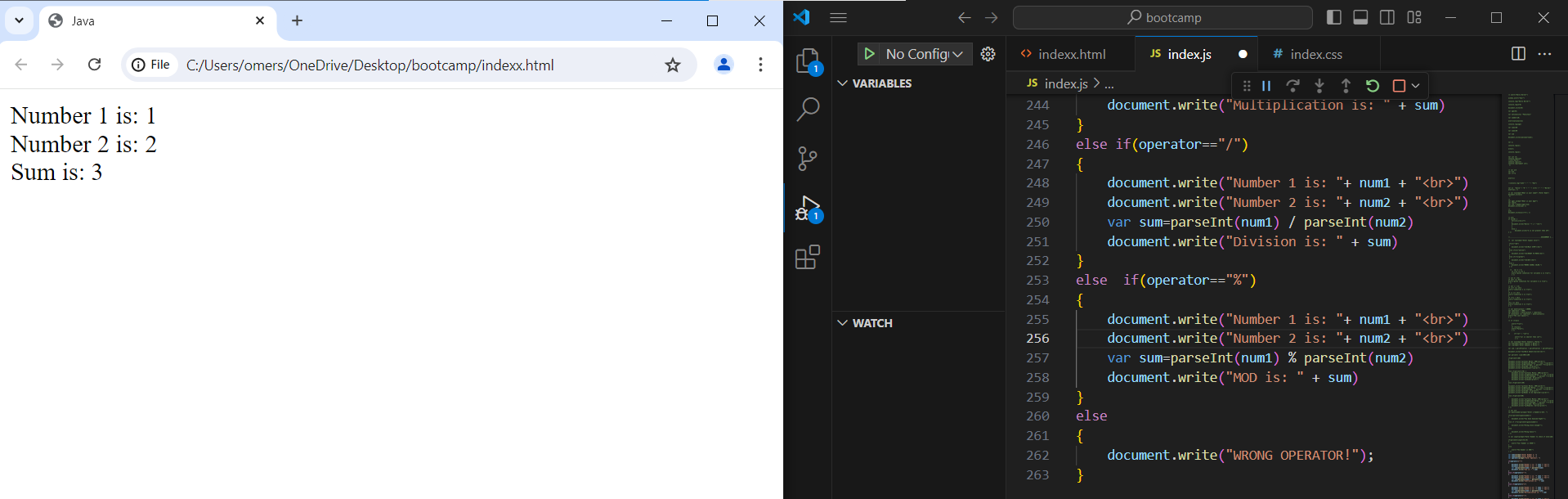
else

{

    document.write("WRONG OPERATOR!");

}

Output:



Code:

var a=prompt("Enter Number: ")

if(parseInt(a)==0)

{

    document.write("Number is Zero!");

}

else if (parseInt(a)>1)

{

    document.write("Number is Positive");

}

else

{

    document.write("Number is Negative");

}

Output:

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Code:

    var char=prompt("Enter Character: ")

    if (char === 'a' || char === 'e' || char === 'i' || char === 'o' || char === 'u')

    {

        document.write(true) ;

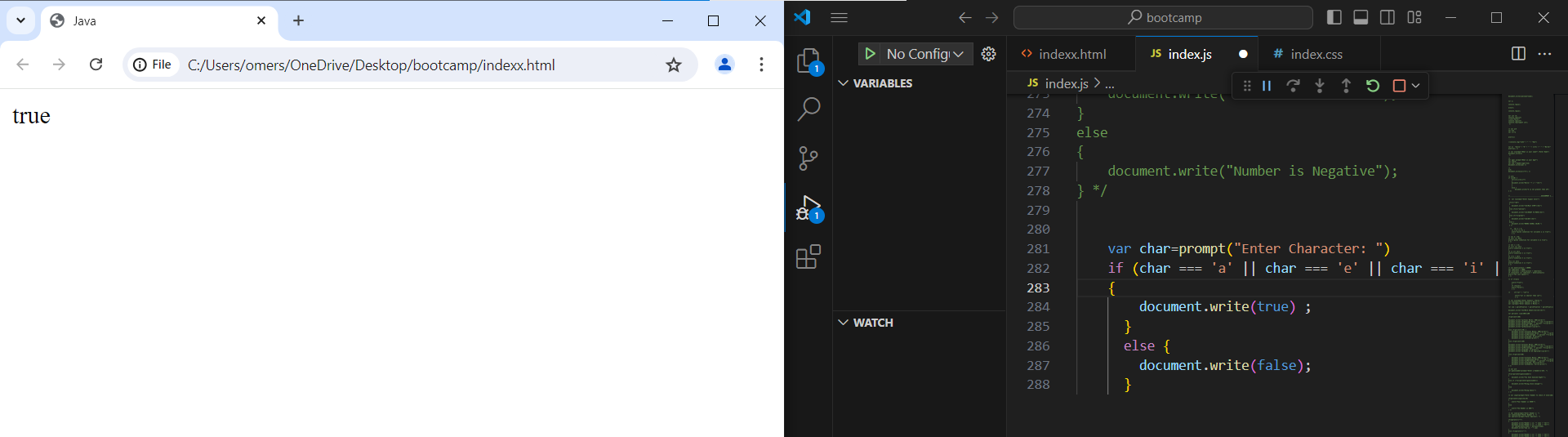
      }

      else {

        document.write(false);

      }

Output:



Code:

var password=prompt("Enter password: ")

pass1='Omer'

if(password!=null)

{

    password=prompt("Re-Enter your Password")

    if(pass1==password)

{

    document.write("The password you entered matches the original password.")

}

    else

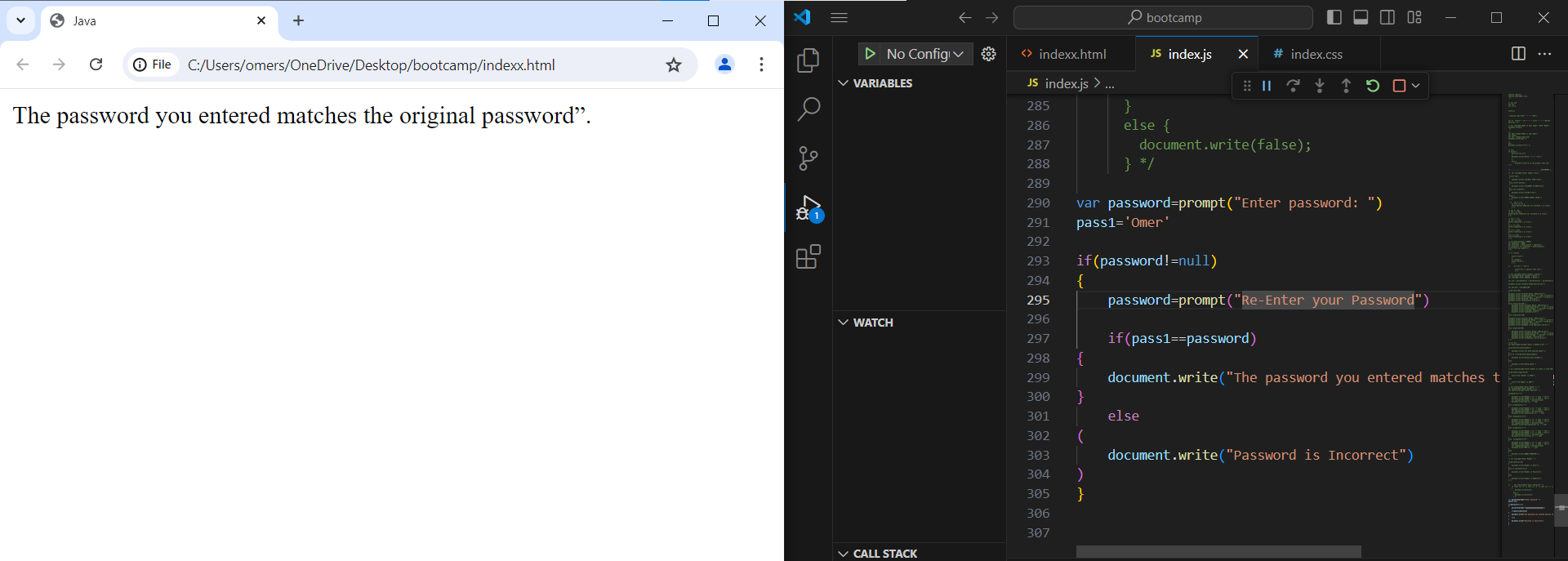
(

    document.write("Password is Incorrect")

)

}

Output:



Code:

 inputTime = parseInt(prompt("Enter time in 24-hour format (e.g., 1900):"));

if (inputTime < 0 || inputTime > 2359) {

  document.write("Invalid time format");

} else {

   hours = (inputTime / 100);

  minutes = inputTime % 100;

  let period = "AM";

  let displayHours = hours;

  if (hours >= 12) {

    period = "PM";

    if (hours > 12) {

      displayHours -= 12;

    }

  } else if (hours === 0) {

    displayHours = 12;

  }

  document.write(displayHours+":"+minutes + minutes + period);

}

Output:

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