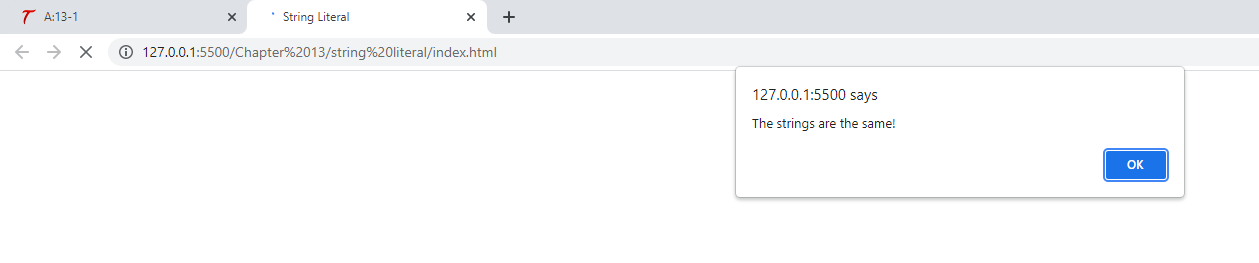
Jesus Nolazco

Chapter 13 Assignment

**Page 359 What’s the Difference? Middle**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>String Literal</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let guitar\_string1 = "E";

let guitar\_string2 = "E";

if (guitar\_string1 === guitar\_string2) {

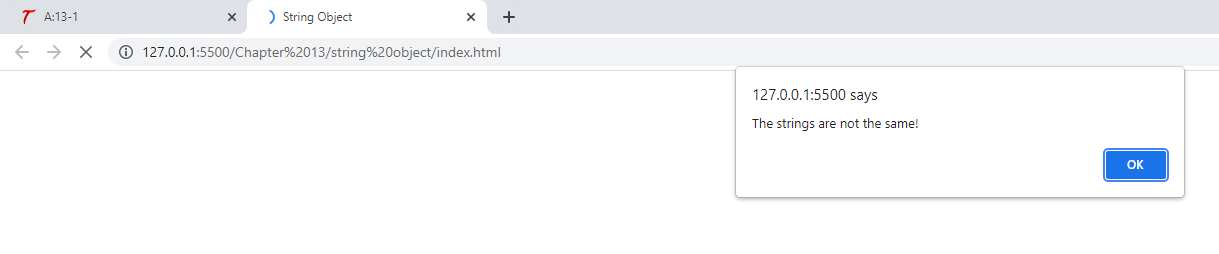
    alert("The strings are the same!");

} else {

    alert("The strings are not the same!");

}

**Page 359 What’s the difference? Bottom**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>String Object</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let guitar\_string1 = new String("E");

let guitar\_string2 = new String("E");

if (guitar\_string1 === guitar\_string2) {

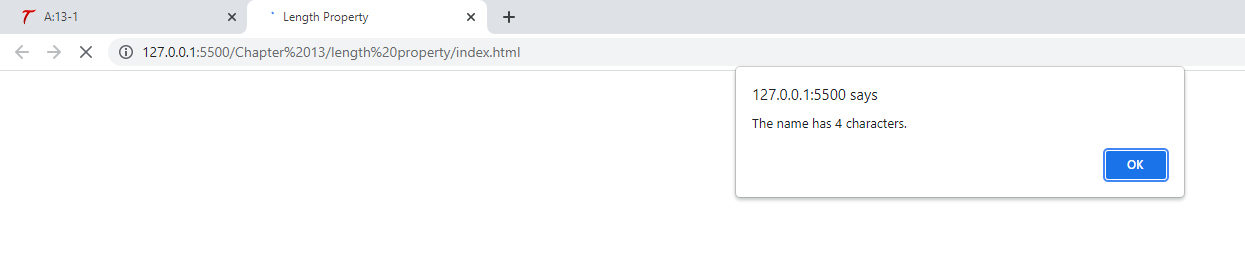
    window.alert("The strings are the same!");

} else {

    window.alert("The strings are not the same!");

}

**Page 360 length property**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Length Property</title>

</head>

<body>

    <script src="app.js"></script>

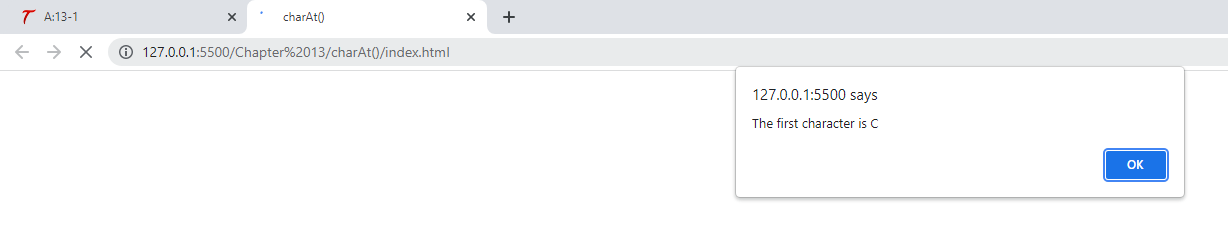
</body>

</html>

let myname = "John";

alert("The name has " + myname.length + " characters.");

**Page 361 charAt()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>charAt()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

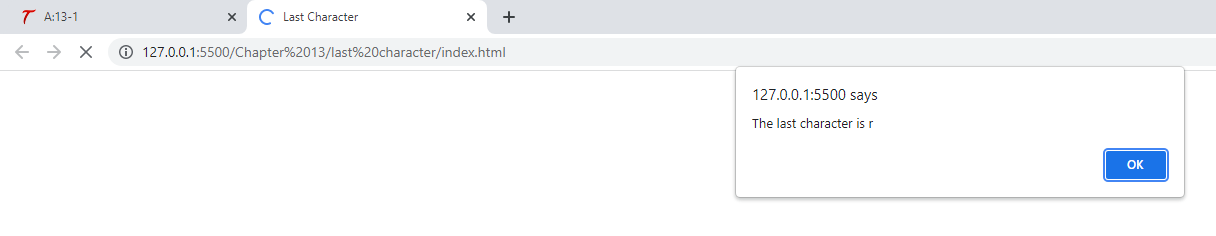
</html>

let the\_text = "Character";

let first\_char = the\_text.charAt(0);

alert("The first character is " + first\_char);

**Page 362 Last character**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Last Character</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

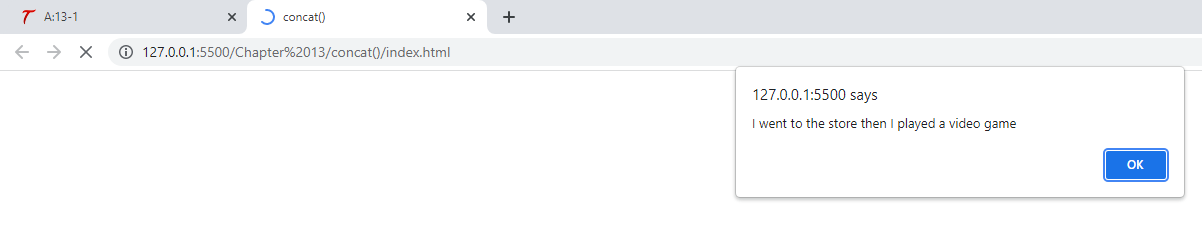
let the\_text = "Character",

    position = the\_text.length - 1,

    last\_char = the\_text.charAt(position);

alert("The last character is " + last\_char);

**Page 362 concat()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>concat()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

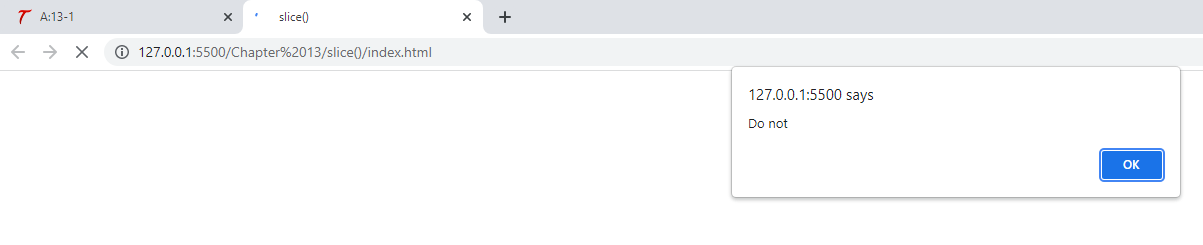
let string1 = "I went to the store ",

    string2 = "then ",

    string3 = "I played a video game";

alert(string1.concat(string2, string3));

**Page 363 slice()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>slice()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

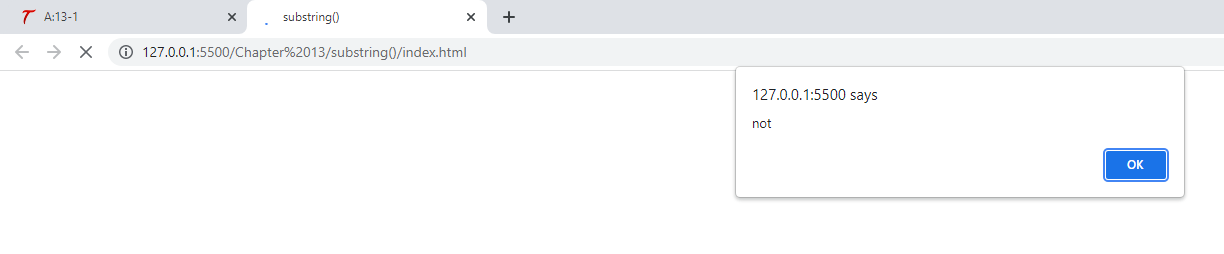
</html>

let the\_text = "Do not cut this short!";

let shorter\_string = the\_text.slice(0, 7);

alert(shorter\_string);

**Page 363 substring()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>substring()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

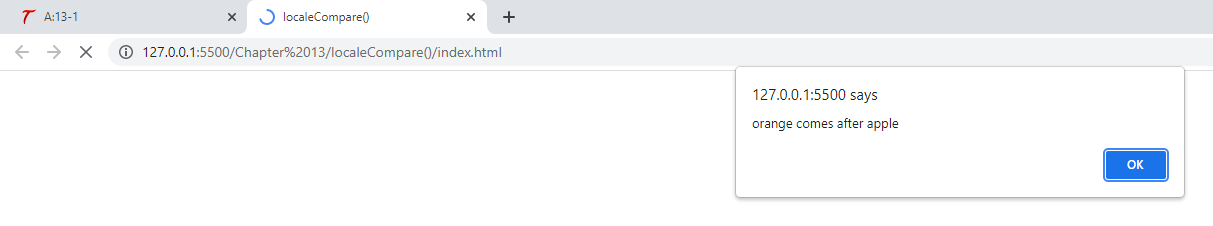
</html>

let the\_text = "Do not cut this short!";

let shorter\_string = the\_text.substring(3, 7);

alert(shorter\_string);

**Page 364 localcompare()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>localeCompare()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let comp\_string = "orange",

    new\_string = "apple",

    pos = comp\_string.localeCompare(new\_string);

if (pos < 0) {

    alert(comp\_string + " comes before " + new\_string);

} else if (pos > 0) {

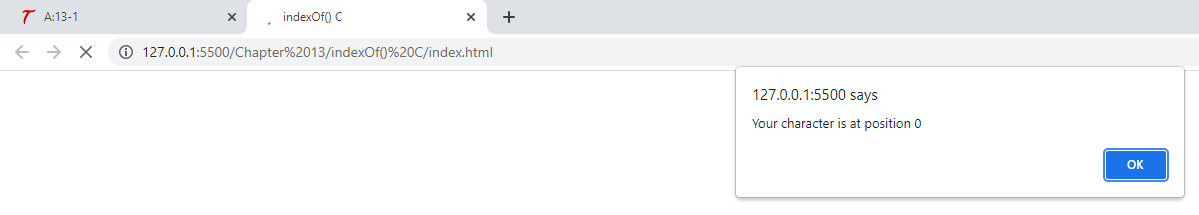
    alert(comp\_string + " comes after " + new\_string);

} else {

    alert("The strings are equal");

}

**365 indexOf() – C**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>indexOf() C</title>

</head>

<body>

    <script src="app.js"></script>

</body>

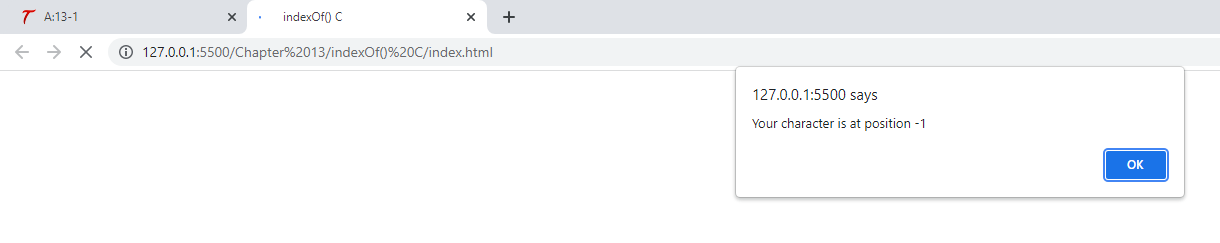
</html>

let the\_text = "Cool";

let position = the\_text.indexOf("C");

alert("Your character is at position " + position);

**Page 365 indexOf() – c**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>indexOf() C</title>

</head>

<body>

    <script src="app.js"></script>

</body>

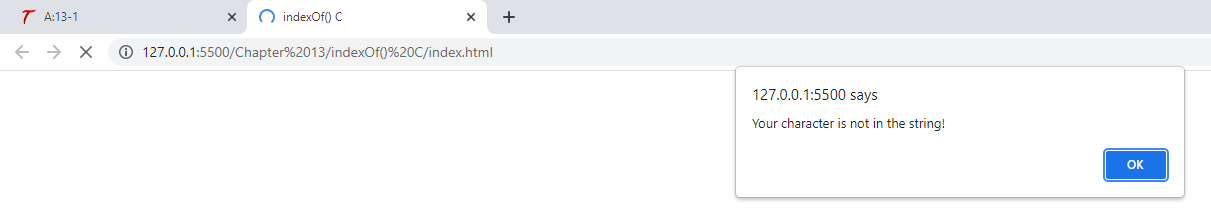
</html>

let the\_text = "Cool";

let position = the\_text.indexOf("c");

alert("Your character is at position " + position);

**Page 365 Position –1**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>indexOf() C</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let the\_text = "Cool";

let position = the\_text.indexOf("c");

if (position === -1) {

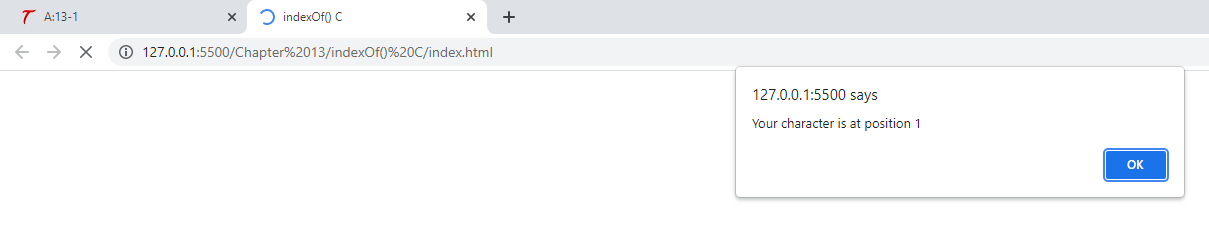
    alert("Your character is not in the string!");

} else {

    alert("Your character is at position " + position);

}

**Page 365 indexOf() – o**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>indexOf() C</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let the\_text = "Cool";

let position = the\_text.indexOf("o");

if (position === -1) {

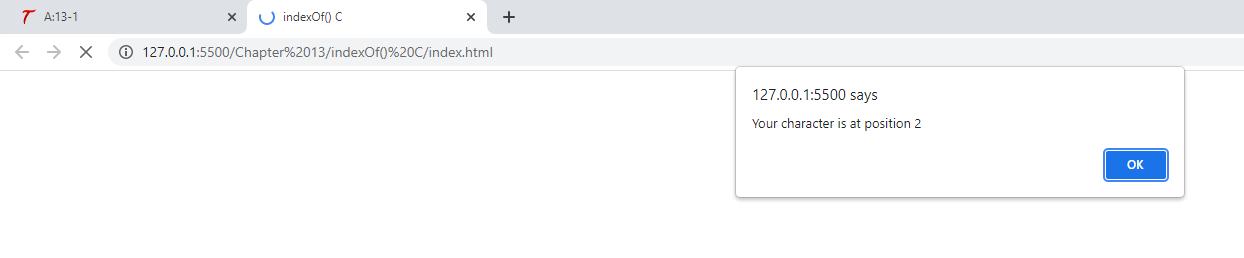
    alert("Your character is not in the string!");

} else {

    alert("Your character is at position " + position);

}

**Page 366 indexOf() – o, 2**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>indexOf() C</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let the\_text = "Cool";

let position = the\_text.indexOf("o", 2);

if (position === -1) {

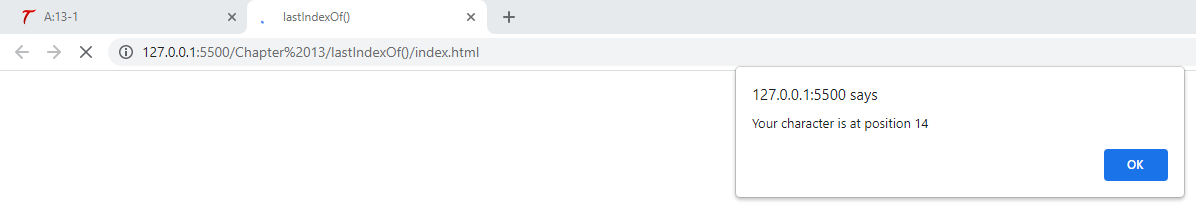
    alert("Your character is not in the string!");

} else {

    alert("Your character is at position " + position);

}

**Page 366 lastindexOf()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>lastIndexOf()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

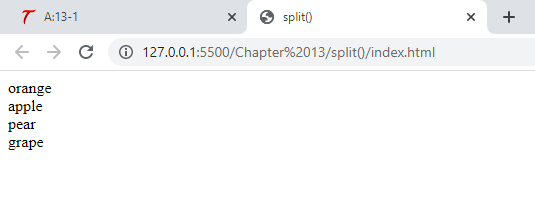
</html>

let the\_text = "Cool Cruising Car";

let position = the\_text.lastIndexOf("C");

alert("Your character is at position " + position);

**Page 367 split()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>split()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let the\_text = "orange:apple:pear:grape",

    split\_text = the\_text.split(":"),

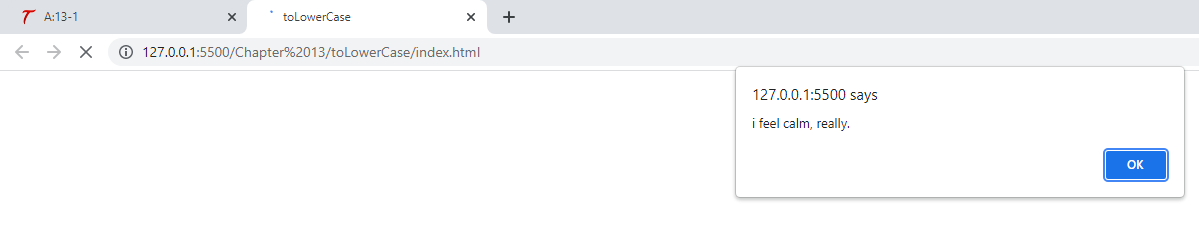
    end\_count = split\_text.length;

for (let count = 0; count < end\_count; count++) {

    document.write(split\_text[count] + "<br>");

}

**Page 368 toLowerCase()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>toLowerCase</title>

</head>

<body>

    <script src="app.js"></script>

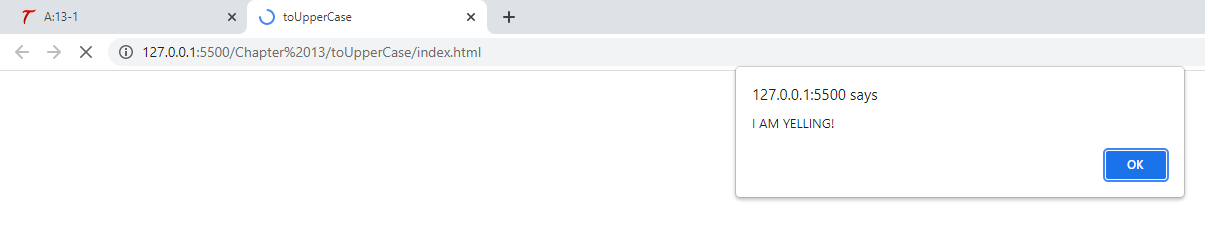
</body>

</html>

let the\_text = "I FEEL CALM, REALLY.";

alert(the\_text.toLowerCase());

**Page 368 toUpperCase()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>toUpperCase</title>

</head>

<body>

    <script src="app.js"></script>

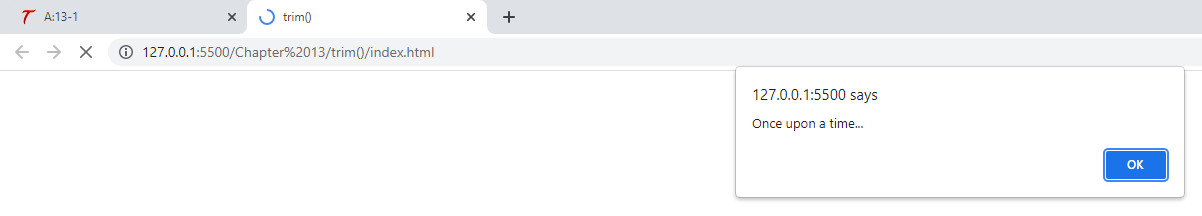
</body>

</html>

let the\_text = "I am yelling!";

alert(the\_text.toUpperCase());

**Page 368 trim()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <title>trim()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

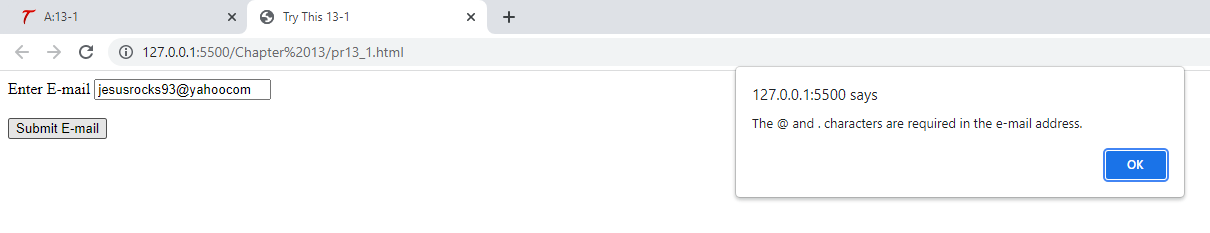
</html>

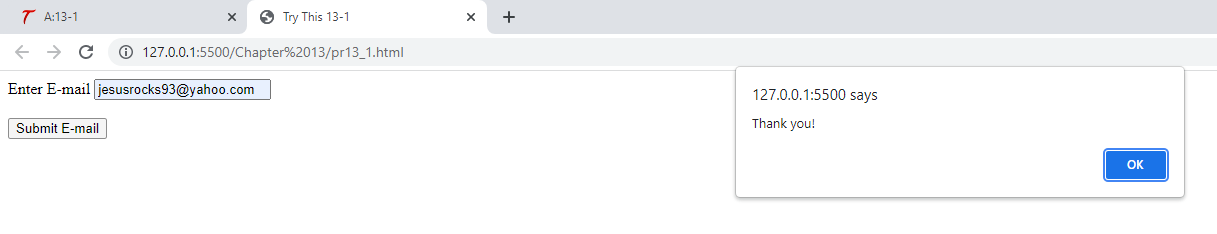
let text = "   Once upon a time...  ",

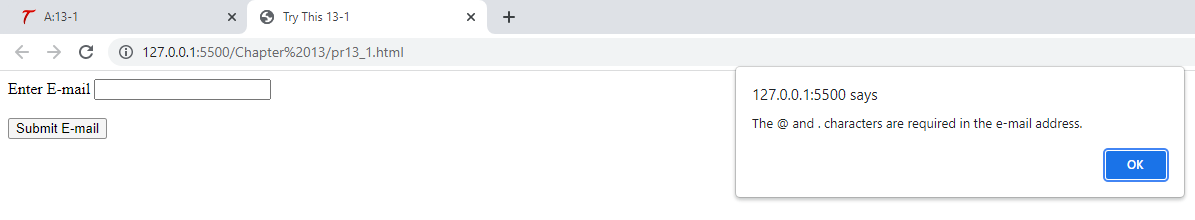
    trimmed\_text = text.trim();

alert(trimmed\_text);

**Page 370 Try This 13-1**

****

****

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Try This 13-1</title>

</head>

<body>

    <form id="getemail">

        <label for="email">Enter E-mail</label>

        <input type="text" id="email"><br><br>

        <input type="submit" value="Submit E-mail">

    </form>

    <script src="prjs13\_1.js"></script>

</body>

</html>

let getemail = document.getElementById("getemail");

getemail.addEventListener("submit", function(event) {

    let email\_add = document.getElementById("email").value;

    event.preventDefault();

    if ((email\_add.indexOf("@") >= 0) && (email\_add.indexOf(".") >= 0)) {

        alert("Thank you!");

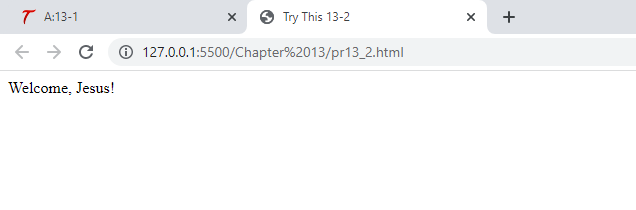
    } else {

        alert("The @ and . characters are required in the e-mail address.");

    }

}, false);

**Page 376 Try This 13-2**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Try This 13-2</title>

</head>

<body>

    <script src="prjs13\_2.js"></script>

</body>

</html>

function set\_it() {

    let user\_input = prompt("Enter your name", ""),

        test1 = "name=" + encodeURIComponent(user\_input),

        expdate = ";expires=Tue, 30 Nov 2021 13:00:00 UTC";

    test1 += expdate;

    document.cookie = test1;

}

function read\_it() {

    let mycookie = document.cookie,

        cookiename = mycookie.split("=");

    document.write("Welcome, " + decodeURIComponent(cookiename[1]) + "!");

}

if (document.cookie) {

    read\_it();

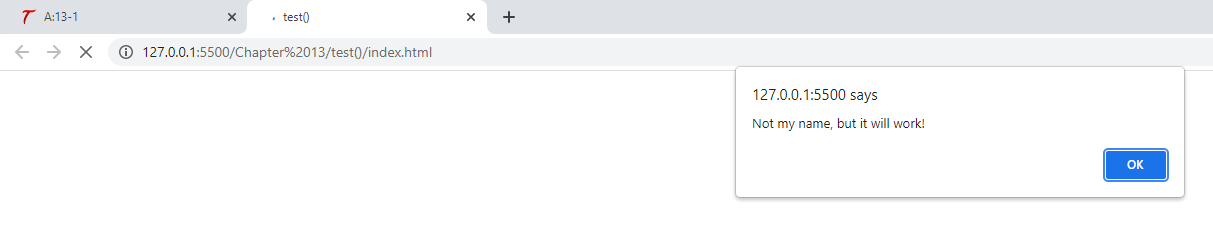
} else {

    set\_it();

    read\_it();

}

**Page 379 test()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>test()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let thename = prompt("Enter your name", ""),

    tomatch = /John/,

    is\_a\_match = tomatch.test(thename);

if (is\_a\_match) {

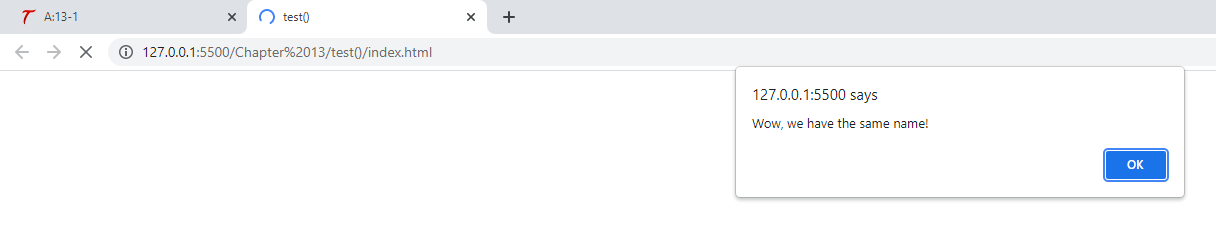
    alert("Wow, we have the same name!");

} else {

    alert("Not my name, but it will work!");

}

**Page 380 test – flag**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>test()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let thename = prompt("Enter your name", ""),

    tomatch = /John/i,

    is\_a\_match = tomatch.test(thename);

if (is\_a\_match) {

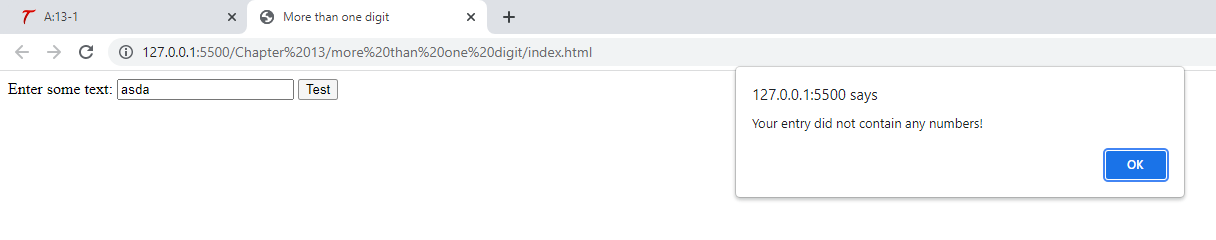
    alert("Wow, we have the same name!");

} else {

    alert("Not my name, but it will work!");

}

**Page 383 more than one digit**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>More than one digit</title>

</head>

<body>

    <form id="has\_digits">

        <label for="user\_text">Enter some text:</label>

        <input type="text" id="user\_text">

        <input type="submit" value="Test">

    </form>

    <script src="app.js"></script>

</body>

</html>

let has\_digits = document.getElementById("has\_digits");

has\_digits.addEventListener("submit", function(event) {

    let has\_num = document.getElementById("user\_text").value,

        tomatch = /\d+/;

    event.preventDefault();

    if (tomatch.test(has\_num)) {

        alert("Your entry contained one of more numbers!");

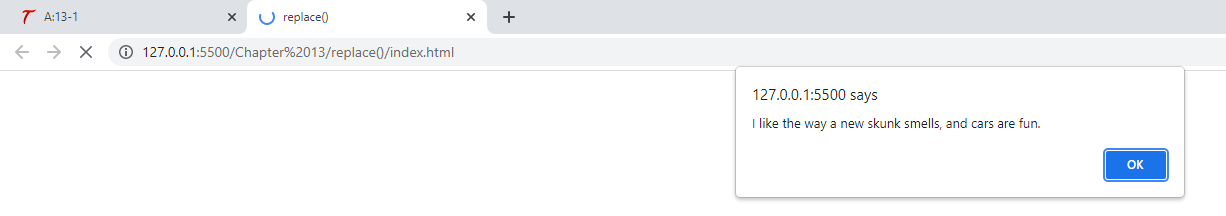
    } else {

        alert("Your entry did not contain any numbers!");

    }

}, false);

**Page 385 replace() skunk one instance**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>replace()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

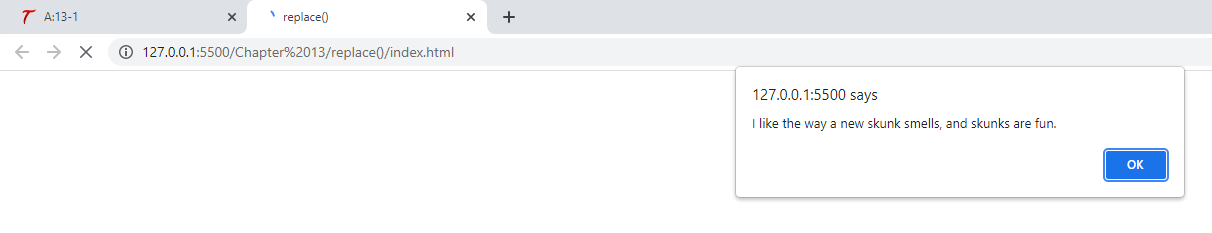
let mystring = "I like the way a new car smells, and cars are fun.",

    toreplace = /car/,

    newstring = mystring.replace(toreplace, "skunk");

alert(newstring);

**Page 385 replace() all instances**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>replace()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

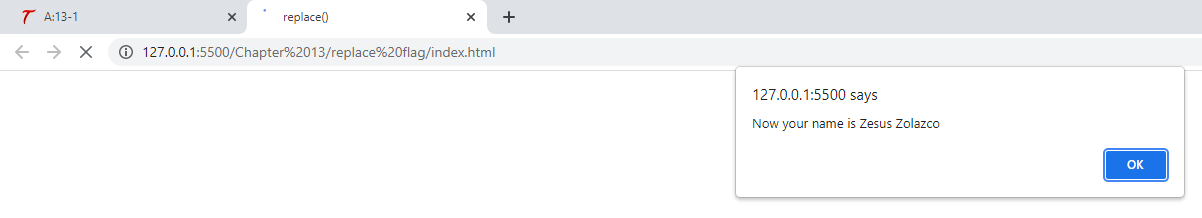
let mystring = "I like the way a new car smells, and cars are fun.",

    toreplace = /car/g,

    newstring = mystring.replace(toreplace, "skunk");

alert(newstring);

**Page 385 replace() add z to name**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>replace()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

function getname() {

    let tomatch = /^[A-Za-z]+\s[A-Za-z]+$/,

        toreplace = /\b[A-Za-z]/gi,

        thename = prompt("Enter your first and last name", "");

    if (tomatch.test(thename)) {

        newname = thename.replace(toreplace, "Z");

        alert("Now your name is " + newname);

    } else {

        alert("Name invalid. Please Try Again");

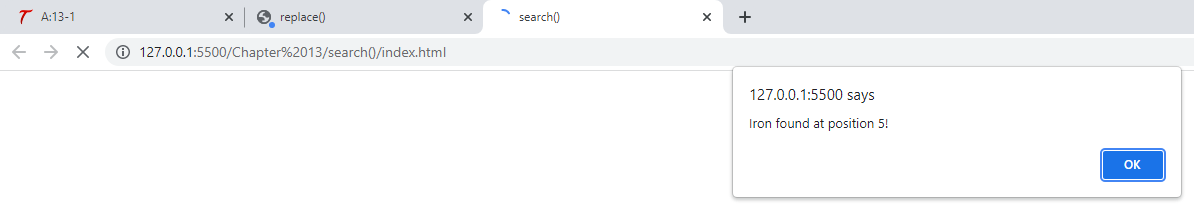
        getname();

    }

}

getname();

**Page 387 search()**

****

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>search()</title>

</head>

<body>

    <script src="app.js"></script>

</body>

</html>

let mystring = "I am Ironman!",

    tomatch = /Iron/;

if (mystring.search(tomatch)) {

    alert("Iron found at position " + mystring.search(tomatch) + "!");

} else {

    alert("Sorry, no Iron in your string.");

}