<!DOCTYPE html>

<html>

    <title><strong>REGULAR EXPRESSION:</strong> </title>

    <style>

        body {

            background-color: azure; color: rgb(177, 62, 85);font-weight: 500;

        }

    </style>

    <body>

        <p><strong>1.Do a case-insensitive search for "w3schools" in a string: </strong></p>

        <p id="demo 1"></p>

        <script>

            let text = "visit w3schools";

            let pattern = /w3school/i;

            let result = text.match(pattern);

            document.getElementById("demo 1").innerHTML = result;

            document.write("<hr>");

        </script>

        <p><strong>2.A global search for the character "h" in a string: </strong></p>

        <p id="demo 2"></p>

        <script>

            let text0  = "Is this all there is?";

            let pattern0  = /[h]/g;

            let result0  = text0.match(pattern0);

            document.getElementById("demo 2").innerHTML = result0;

            document.write("<hr>");

        </script>

        <p><strong>3.A global search for the characters "i" and "s" in a string:</strong></p>

        <p id="demo 3"></p>

        <script>

            let text1 = "Do you know if this is all there is?";

            let pattern1 = /[is]/gi;

            let result1 = text1.match(pattern1);

            document.getElementById("demo 3").innerHTML = result1;

            document.write("<hr>");

        </script>

        <p><strong>4.A global search for the character span [a-h] in a string:</strong></p>

        <p id="demo 4"></p>

        <script>

            let text2 = "Is this all there is?";

            let pattern2 = /[a-h]/g;

            let result2 = text2.match(pattern2);

            document.getElementById("demo 4").innerHTML = result2;

            document.write("<hr>");

        </script>

        <p><strong>5.A global search for any character from uppercase A to uppercase E.</strong></p>

        <p id="demo 5"></p>

        <script>

            let text3 = "I SCREAM FOR ICE CREAM!";

            let pattern3 = /[A-E]/g;

            let result3 = text3.match(pattern3);

            document.getElementById("demo 5").innerHTML = result3;

            document.write("<hr>");

        </script>

        <p><strong>6.A global search for any character from uppercase "A" to lowercase "e":</strong></p>

        <p id="demo 6"></p>

        <script>

            let text4 = "I Scream For Ice Cream, is that OK?!";

            let pattern4 = /[A-e]/g;

            let result4 = text4.match(pattern4);

            document.getElementById("demo 6").innerHTML=result4;

            document.write("<hr>");

        </script>

        <p><strong>7.A global, case-insensitive search for the character span [a-s]:</strong></p>

        <button onclick="myFunction()">Try it</button>

        <p id="demo 7"></p>

        <script>

            let text5 = "I Scream For Ice Cream, is that OK?!";

            let pattern5 = /[a-s]/gi;

            let result5 = text5.match(pattern5);

            document.getElementById("demo 7").innerHTML = result5;

            document.write("<hr>");

        </script>

        <p> <strong>8.Perform a search for the characters "THIS" in a string.</strong></p>

        <p id="demo 8"></p>

        <script>

            let text6 = "THIS This this";

            let result6 = text6.match(/[THIS]/g);

            let result7 = text6.match(/[THIS]/gi);

            document.getElementById("demo 8").innerHTML = result6 + "<br>" +result7;

            document.write("<hr>");

        </script>

    </body>

</html>

**OUTPUT:**



