3 a) Write a JavaScript code to take inputs from user and display that input in following pattern: “Hello ……… Welcome to the world of JavaScript !!!”.

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title></title>

</head>

<body>

    <input type="text" id="nm">

    <h3 id=res>

    <button type="button" onclick="fun()">SUBMIT</button>

    <script type="text/javascript">

    function fun() {

        var c=document.getElementById('nm').value

            document.getElementById('res').innerHTML="Hello " +c+ " Welcome to javascript"

    }

    </script>

</body>

</html>

3 b) Write a JavaScript code to perform arithmetic operation by taking values from users. Operations: Addition, Subtraction, Multiplication and Division Demonstrate with: i) Using buttons ii) Using dropdown options

Using buttons

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Document</title>

        <style>

        .block{

        text-align: center;

        background-color: white;

        width: 450px;

        padding: 20px;

        margin-left: 500px;

        margin-top: 200px;

        border-radius: 25px;

        }

        button{

            border: none;

            border-radius: 9px;

            background-color: rgba(55, 119, 47, 0.832);

            padding: 10px;

            color: white;

            font-size: 16px;

        }

    </style>

    <script>

        function myFunction1() {

            var a=parseInt(document.getElementById('num1').value);

            var b=parseInt(document.getElementById('num2').value);

            var c=a + b;

            document.getElementById("result").innerHTML="Addition is: "+c;

        }

        function myFunction2() {

            var a=parseInt(document.getElementById('num1').value);

            var b=parseInt(document.getElementById('num2').value);

            var c=a - b;

            document.getElementById("result").innerHTML="Subtraction is: "+c;

        }

        function myFunction3() {

            var a=parseInt(document.getElementById('num1').value);

            var b=parseInt(document.getElementById('num2').value);

            var c=a \* b;

            document.getElementById("result").innerHTML="Multiplication is: "+c;

        }

        function myFunction4() {

            var a=parseInt(document.getElementById('num1').value);

            var b=parseInt(document.getElementById('num2').value);

            var c=a / b;

            document.getElementById("result").innerHTML="Division is: "+c;

        }

    </script>

</head>

<body style="background-color: rgb(196, 198, 200);">

    <div class="block">

    <h1>Arithmetic Operations</h1>

    <h3>Enter two numbers  </h3>

    Number 1:

    <input type="number" id="num1"><br><br>

    Number 2:

    <input type="number" id="num2">

    <h3>Click on the option you want to perform</h3>

    <button type="Click" onclick="myFunction1()">Addition</button>

    <button type="Click" onclick="myFunction2()">Subtraction</button>

    <button type="Click" onclick="myFunction3()">Multiplication</button>

    <button type="Click" onclick="myFunction4()">Division</button>

    <h2 id=result></h2>

    </div>

</body>

</html>

Using dropdown

<!DOCTYPE html>

<html>

<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Document</title>

    <style>

        .block{

        text-align: center;

        background-color: white;

        width: 450px;

        padding: 20px;

        margin-left: 500px;

        margin-top: 200px;

        border-radius: 25px;

        }

        select{

            width: 130px;

            padding: 5px;

            font-size: 15px;

        }

    </style>

    <script>

        function myFunction1() {

            var a=parseInt(document.getElementById('num1').value);

            var b=parseInt(document.getElementById('num2').value);

            var val=document.getElementById('operation').value;

            if(val=="Addition"){

                var c=a+b;

            }

            if(val=="Subtraction"){

                var c=a-b;

            }

            if(val=="Multiplication"){

                var c=a\*b;

            }

            if(val=="Division"){

                var c=a/b;

            }

            document.getElementById("result").innerHTML="Result is: "+c;

        }

    </script>

</head>

<body style="background-color: rgb(196, 198, 200);">

    <div class=block>

    <h1>Arithmetic Operations</h1>

    <h3>Enter two numbers:  </h3>

    Number 1:

    <input type="number" id="num1"><br><br>

    Number 2:

    <input type="number" id="num2">

    <h3>Select the operation you want to perform</h3>

    <div>

    <select id="operation"onchange="myFunction1();">

        <option value="-">--Select--</option>

        <option value="Addition">Addition</option>

        <option value="Subtraction">Subtraction</option>

        <option value="Multiplication">Multiplication</option>

        <option value="Division">Division</option>

     </select>

 </div>

     <h2 id="result"></h2>

    </div>

</body>

</html>