```html
<!Exercise 1>
    <body class ="bg-orange-100">
        <div class="bg-red-200 w-[350px] m-4 p-2">
            <label for="userBox">UserName</label>
            <input class="bg-blue-300 p-1 rounded text-center text-white"
                id ="userBox" type = "text"/>


            <button class="bg-green-500 p-1 rounded"
                onclick = "document.getElementById('userBox').value='Tam'"">Click Me
            </button>


            <button class="bg-yellow-500 p-1 rounded"
                onclick = "document.getElementById('userBox').value= ''"> Clear Me
            </button>
        </div>
```

UserName Tam

Click Me **Clear Me**

UserName

Click Me **Clear Me**

```html
<!Exercise 2>
    <div class="bg-red-200 w-96 m-4 p-2" style="width:200px">
        <label for="num1">Num1</label>
        <input class="bg-blue-300 p-2 ml-2 w-20 rounded"
            id = "num1" type = "text">


        <br></br>



        <label for="num2">Num2 </label>
        <input class="bg-blue-300 p-2 ml-2 w-20 rounded"
            id="num2" type="text">

        <br></br>

        <label for="result">Result</label>
        <input class="bg-blue-300 p-2 ml-2 w-20 rounded"
            id ="result" type="text">

        <br><br>


        <button class="bg-green-500 p-3 rounded"
            onclick = "document.getElementById('result').value = Number(document.getElementById('num1').value) + Number(document.getElementById('num2').value)">Add
        </button>

        <button class="bg-yellow-500 p-3 rounded"
            onclick = "document.getElementById('result').value = Number(document.getElementById('num1').value) - Number(document.getElementById('num2').value)">Sub
        </button>

    </div>
```

Num1	3
Num2	8
Result	11

Add **Sub**

Num1	3
Num2	8
Result	-5

Add Sub

```html
<!Excersise 3>
    <div class="bg-red-200 " style="width:200px" >
        <br><br>
        <label for="radNum1">Num1</label>
        <input class="bg-blue-300 p-2 ml-2 w-20 rounded"
            id="radNum1" type="text">


        <br><br>

        <label for="radNum2">Num2</label>
        <input class="bg-blue-300 p-2 ml-2 w-20 rounded"
            id="radNum2" type="text">
        <br><br>

        <label for="radResult">Result</label>
        <input class="bg-blue-300 p-2 ml-2 w-20 rounded"
            id="radResult" type="text">
        <br><br>
        <div class="bg-gray-200" style="width:100px">
            <label>Operations:</label>
            <br>

            <label><input type="radio" name="operation" value="add" onclick="calculate()">+</label>
            <br>
            <label><input type="radio" name="operation" value="sub" onclick="calculate()">-</label>
            <br>
            <label><input type="radio" name="operation" value="multiply" onclick="calculate()">*</label>
            <br>
            <label><input type="radio" name="operation" value="division" onclick="calculate()">/</label>
            <br><br>
        </div>

    </div>

    <br>
```

Num1 3

Num2 8

Result 11

Operations:
- ⦿ +
- ◯ −
- ◯ *
- ◯ /

Num1 3

Num2 8

Result -5

Operations:
- ( ) +
- (●) −
- ( ) *
- ( ) /

Num1 3

Num2 8

Result 24

Operations:
- ( ) +
- ( ) -
- (●) *
- ( ) /

Num1 3

Num2 8

Result 0.375

Operations:
- ◯ +
- ◯ −
- ◯ *
- ⦿ /

```
<!Excercise 4>
        <div class ="bg-red-200 w-[350px] m-4 p-2" style="width:200px">
            <label for="areaNum1" >Num1</label>
            <input id="areaNum1" class="bg-blue-300 p-2 ml-2 w-20 rounded">
            <br><br>

            <label for="areaNum2" >Num2</label>
            <input id="areaNum2" class="bg-blue-300 p-2 ml-2 w-20 rounded">
            <br><br>

            <label for="areaResult">Result</label>
            <input id="areaResult" class="bg-blue-300 p-2 ml-2 w-20 rounded">
            <br><br>

            <div class ="bg-gray-200 w-[350px" style="width:150px; height:60px">
                <label>Op:</label>
                <br>
                <label><input type = checkbox value="area" onclick="Area()">Area</label>
            </div>
        </div>

    </body>
```

Num1   3

Num2   8

Result   24

Op:
☑Area

```
<script>
    function calculate()
        {
            var n1 = Number(document.getElementById('radNum1').value);
            var n2 = Number(document.getElementById('radNum2').value);
            var operation = document.querySelector('input[name="operation"]:checked').value;
            var result;

            if (operation === 'add')
            {

                result = n1 + n2;
            } else if (operation === 'sub')
            {

                result = n1 - n2;
            } else if (operation === 'multiply')
            {

                result = n1 * n2;
            } else if (operation === 'division')
            {

                result = n1 / n2;
            }

            document.getElementById('radResult').value = result;
        }

    function Area()
        {
            var n1 = Number(document.getElementById('areaNum1').value);
            var n2 = Number(document.getElementById('areaNum2').value);
            var result

            result = n1*n2

            document.getElementById('areaResult').value = result;
        }

</script>
```