

```
// Index.html

<!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>Exp 1 by 404A035</title>
  </head>
  <body>
    <div>
      <h1>Area of triangle</h1>
      <label for="">base of triangle</label>
      <input type="text" id="base" />
      <label for="">height of triangle</label>
      <input type="text" id="height" />
      <button onclick="getAreaTriangle()">submit</button>
      <h2>Area of triangle is <span id="result1"></span></h2>
    </div>

    <div>
      <h1>Area of rectangle</h1>
      <label for="">Length of rectangle</label>
      <input type="text" id="length" />
      <label for="">Width of rectangle</label>
      <input type="text" id="width" />
      <button onclick="getAreaRect()">submit</button>
      <h2>Area of rectangle is <span id="result2"></span></h2>
    </div>

    <div>
      <h1>Area of circle</h1>
```

```
<label for="">radius of circle</label>
<input type="text" id="radius" />
<button onclick="getAreaCircle()">submit</button>
<h2>Area of circle is <span id="result3"></span></h2>
</div>
<script src="./main.js"></script>
</body>
</html>
```

```
// main.js
```

```
function getAreaTriangle() {
  const base = parseInt(document.getElementById("base").value);
  const height = parseInt(document.getElementById("height").value);

  const area = 0.5 * base * height;
  document.getElementById("result1").innerHTML = area;
}
```

```
function getAreaRect() {
  const length = parseInt(document.getElementById("length").value);
  const width = parseInt(document.getElementById("width").value);

  const area = length * width;
  document.getElementById("result2").innerHTML = area;
}
```

```
function getAreaCircle() {
  const radius = parseInt(document.getElementById("radius").value);

  const area = 3.14 * radius * radius;
  document.getElementById("result3").innerHTML = area;
}
```

```
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  />
    <title>exp2 by 404A035</title>
  </head>
  <body>
    <div>
      <label for="">Number:</label>
      <input type="text" placeholder="enter the number" id="num" />
      <button onclick="getTable()">submit</button>
      <h2>Table of given number is</h2>
      <p id="result"></p>
    </div>
    <script src="./main.js"></script>
  </body>
</html>
```

```
// main.js
function getTable() {
  const num = parseInt(document.getElementById("num").value);
  const result = document.getElementById("result");

  for (let i = 1; i <= 10; i++) {
    const span = document.createElement("span");
    span.innerHTML = num * i + " ";
    result.appendChild(span);
  }
}
```



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    <title>exp3 by 404A035</title>
  </head>
  <body>
    <div>
      <!-- reverse the string -->
      <label for="string"> String </label>
      <input type="text" placeholder="enter the string" id="str" />
      <button onclick="reverse()">reverse</button>
      <h3>Reverse of given string is</h3>
      <p id="result1"></p>
      <br />
      <!-- replace the string -->
      <label for="string"> Character you want to replace </label>
      <input type="text" placeholder="enter the string" id="str2" />
      <label for="string"> Character you want to replace with </label>
      <input type="text" placeholder="enter the string" id="str3" />
      <button onclick="replace()">reverse</button>
      <h3>String after replace</h3>
      <p id="result2"></p>
      <br />
      <!-- is palindrome -->
      <h3>given string is</h3>
      <p id="result3"></p>
    </div>
```

```
    <script src="./main.js"></script>
  </body>
</html>
```

```
// main.js
```

```
function reverse() {
  const str1 = document.getElementById("str").value;

  let revStr = "";
  for (let i = 0; i < str1.length; i++) {
    revStr += str1.charAt(str1.length - i - 1);
  }

  document.getElementById("result1").innerHTML = revStr;
  if (revStr === str1) {
    document.getElementById("result3").innerHTML = "palindrome";
  } else {
    document.getElementById("result3").innerHTML = "not a palindrome";
  }
}

function replace() {
  const str1 = document.getElementById("str").value;
  const str2 = document.getElementById("str2").value;
  const str3 = document.getElementById("str3").value;

  const newStr = str1.replace(str2, str3);
  document.getElementById("result2").innerHTML = newStr;
}
```