

JavaScript Assignment - 02

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DOP :

Source Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Multiplication Tables</title>
  <meta name="viewport" content="width=device-width, initial-scale=1"
/>
<style>
  body {
    background: #f4f7fa;
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
  }
  .main-header {
    margin-top: 30px;
    text-align: center;
    margin-bottom: 24px;
  }
  .main-header h1 {
    margin-bottom: 10px;
    font-size: 1.35em;
    color: #455167;
    font-weight: bold;
  }
  .main-header h3 {
    margin-bottom: 8px;
    font-size: 1.09em;
    color: #607189;
  }
  .main-header h2 {
    margin-bottom: 10px;
    color: #354760;
    font-size: 1.18em;
    font-weight: 650;
    letter-spacing: 1px;
  }
  .tables-row {
    display: flex;
    justify-content: space-between;
```

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    gap: 18px;
    flex-wrap: wrap;
  }
  .table-box {
    background: #fff;
    border-radius: 10px;
    box-shadow: 0 2px 14px #a6bcd611;
    padding: 25px 18px 20px 18px;
    width: 310px;
    min-width: 270px;
    margin-bottom: 20px;
    text-align: center;
    flex: 1 1 0;
  }
  .table-box h4 {
    margin-top: 0;
    margin-bottom: 10px;
    font-size: 1.09em;
    font-weight: 700;
    color: #43628a;
    letter-spacing: 0.06em;
  }
  .input-row {
    margin: 11px 0 3px 0;
  }
  label {
    display: block;
    font-weight: 600;
    margin-bottom: 5px;
    color: #285c6b;
  }
  input[type="number"] {
    width: 80%;
    padding: 7px;
    border-radius: 6px;
    border: 1.3px solid #b1bac6;
    font-size: 1em;
    background: #ecf2fa;
    margin-bottom: 6px;
    transition: border-color 0.22s;
    text-align: center;
  }
  input[type="number"]:focus {
    border-color: #6ca4e8;
    outline: none;
    background: #e0f3ff;
  }

```

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.table-list {
  text-align: left;
  min-height: 190px;
  margin-bottom: 6px;
  font-size: 1.07em;
  line-height: 1.65;
  color: #304772;
  font-family: 'Courier New', monospace;
  background: #f3f8fd;
  border-radius: 7px;
  padding: 8px 10px;
  border: 1px solid #dedede;
  white-space: pre-line;
}
.btn-row {
  display: flex;
  justify-content: center;
  gap: 13px;
  margin-top: 8px;
}
button {
  padding: 7px 25px;
  background: #4a5876;
  color: #fff;
  border: none;
  border-radius: 5px;
  font-weight: 600;
  font-size: 1em;
  cursor: pointer;
  transition: background 0.19s;
}
button:hover {
  background: #273043;
}
/* Responsive adjustments */
@media (max-width: 900px) {
  .tables-row {
    flex-direction: column;
    gap: 16px;
    align-items: center;
  }
  .table-box { width: 98vw; min-width: 0; }
}
</style>
</head>
<body>
<div class="main-header">

```

```

<h1>Soumitra Kode</h1>
<h3>42134 | P6 | BE-06</h3>
<h2>Multiplication Tables</h2>
</div>
<div class="tables-row">
  <!-- For Loop Table -->
  <div class="table-box" id="forSection">
    <h4>Table using For loop</h4>
    <div class="input-row">
      <label for="forNumber">Enter Number</label>
      <input type="number" id="forNumber" placeholder="e.g. 7" />
    </div>
    <div class="table-list" id="forOutput"></div>
    <div class="btn-row">
      <button onclick="generateTableFor()">Submit</button>
      <button onclick="resetTableFor()">Reset</button>
    </div>
  </div>
  <!-- While Loop Table -->
  <div class="table-box" id="whileSection">
    <h4>Table using While loop</h4>
    <div class="input-row">
      <label for="whileNumber">Enter Number</label>
      <input type="number" id="whileNumber" placeholder="e.g. 17" />
    </div>
    <div class="table-list" id="whileOutput"></div>
    <div class="btn-row">
      <button onclick="generateTableWhile()">Submit</button>
      <button onclick="resetTableWhile()">Reset</button>
    </div>
  </div>
  <!-- Do-While Loop Table -->
  <div class="table-box" id="doSection">
    <h4>Table using Do-While loop</h4>
    <div class="input-row">
      <label for="doNumber">Enter Number</label>
      <input type="number" id="doNumber" placeholder="e.g. 19" />
    </div>
    <div class="table-list" id="doOutput"></div>
    <div class="btn-row">
      <button onclick="generateTableDo()">Submit</button>
      <button onclick="resetTableDo()">Reset</button>
    </div>
  </div>
</div>
</div>
<script>
function generateTableFor() {

```

```

const num = parseInt(document.getElementById('forNumber').value);
const out = document.getElementById('forOutput');
out.textContent = "";
if (isNaN(num)) {
    out.textContent = "Please enter a valid number!";
    return;
}
let table = "";
for (let i = 1; i <= 10; i++) {
    table += num + " x " + i + " = " + (num * i) + "\n";
}
out.textContent = table.trim();
}
function resetTableFor() {
    document.getElementById('forNumber').value = "";
    document.getElementById('forOutput').textContent = "";
}
function generateTableWhile() {
    const num =
parseInt(document.getElementById('whileNumber').value);
    const out = document.getElementById('whileOutput');
    out.textContent = "";
    if (isNaN(num)) {
        out.textContent = "Please enter a valid number!";
        return;
    }
    let i = 1, table = "";
    while (i <= 10) {
        table += num + " x " + i + " = " + (num * i) + "\n";
        i++;
    }
    out.textContent = table.trim();
}
function resetTableWhile() {
    document.getElementById('whileNumber').value = "";
    document.getElementById('whileOutput').textContent = "";
}
function generateTableDo() {
    const num = parseInt(document.getElementById('doNumber').value);
    const out = document.getElementById('doOutput');
    out.textContent = "";
    if (isNaN(num)) {
        out.textContent = "Please enter a valid number!";
        return;
    }
    let i = 1, table = "";
    do {

```

```
    table += num + " x " + i + " = " + (num * i) + "\n";
    i++;
} while (i <= 10);
out.textContent = table.trim();
}
function resetTableDo() {
    document.getElementById('doNumber').value = "";
    document.getElementById('doOutput').textContent = "";
}
</script>
</body>
</html>
```

Output –

A. Landing Page –

Soumitra Kode
42134 | P6 | BE-06
Multiplication Tables

Table using For loop

Enter Number
e.g. 7

SubmitReset

Table using While loop

Enter Number
e.g. 17

SubmitReset

Table using Do-While loop

Enter Number
e.g. 19

SubmitReset

B. Table Using For Loop –

Table using For loop

Enter Number

6

6 x 1 = 6
6 x 2 = 12
6 x 3 = 18
6 x 4 = 24
6 x 5 = 30
6 x 6 = 36
6 x 7 = 42
6 x 8 = 48
6 x 9 = 54
6 x 10 = 60

SubmitReset

C. Table Using While Loop –

Table using While loop

Enter Number

85

85 x 1 = 85
85 x 2 = 170
85 x 3 = 255
85 x 4 = 340
85 x 5 = 425
85 x 6 = 510
85 x 7 = 595
85 x 8 = 680
85 x 9 = 765
85 x 10 = 850

Submit Reset

D. Table Using Do-while Loop –

Table using Do-While loop

Enter Number

7

7 x 1 = 7
7 x 2 = 14
7 x 3 = 21
7 x 4 = 28
7 x 5 = 35
7 x 6 = 42
7 x 7 = 49
7 x 8 = 56
7 x 9 = 63
7 x 10 = 70

Submit Reset