# **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"</pre>
/>
 <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;
```

```
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;
}
```

```
.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>
<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 \le 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";
   j++;
  }
  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 {
```

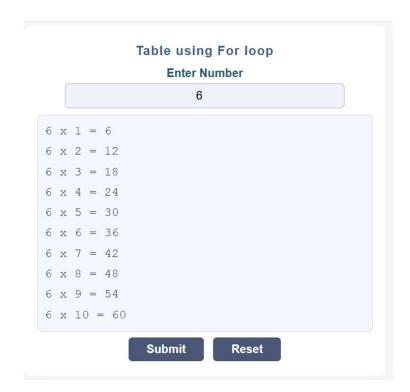
```
table += num + " x " + i + " = " + (num * i) + "\n";
i++;
} while (i <= 10);
out.textContent = table.trim();
}
function resetTableDo() {
  document.getElementById('doNumber').value = "";
  document.getElementById('doOutput').textContent = "";
}
</script>
</body>
</html>
```

## Output –

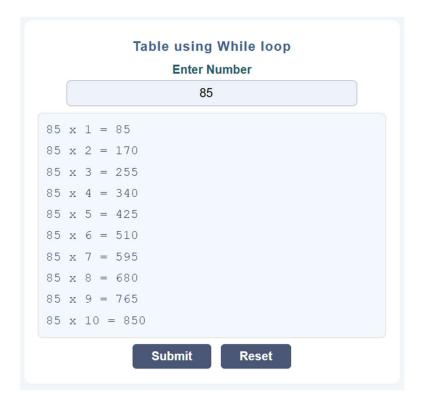
### A. Landing Page -

	Soumitra Kode 42134   P6   BE-06 Multiplication Tables	
Table using For loop  Enter Number  e.g. 7	Table using While loop Enter Number e.g. 17	Table using Do-While loop  Enter Number  e.g. 19
Submit Reset	Submit Reset	Submit Reset

## B. Table Using For Loop –



#### C. Table Using While Loop -



# D. Table Using Do-while Loop –

