

JS Advanced: Exam 18 March 2018

Problems for exam preparation for the ["JavaScript Advanced" course @ SoftUni](#). Submit your solutions in the SoftUni judge system at <https://judge.softuni.bg/Contests/974/>.

Problem 1. Restaurant Bill (Simple DOM Interaction)

You are given the following **HTML code**:

restaurant-bill.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Restaurant Bill</title>
  <style>
    body {padding: 30px;}
    table, section {border: 1px solid black; border-collapse: collapse;}
    th, td {padding: 5px 20px;}
    th, tfoot td {background: #cccccc;}
    tr:nth-child(odd) {background: #eeeeee;}
    tr:nth-child(even) {background: #dddddd;}
    tfoot > tr td {font-style: italic; font-weight: bold;}
    section {margin-top: 10px; width: 177px; background: #cccccc;}
    section > * {display: block; padding: 5px;}
    h3 {margin: 0; text-align: center;}
    button {margin: 5px auto;}
  </style>
  <script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
</head>
<body>
<h2>Restaurant Bill</h2>
<table id="bill">
  <thead>
    <tr>
      <th>Product</th>
      <th>Price</th>
    </tr>
  </thead>
  <tbody id="product-list"></tbody>
  <tfoot>
    <tr>
      <td>Total:</td>
      <td>0.00</td>
    </tr>
  </tfoot>
</table>
<section id="add-product">
```

```

<h3>Add new product</h3>
<label>Product:
  <input type="text">
</label>
<label>Price:
  <input type="number">
</label>
<button onclick="addProduct()">Add</button>
</section>

<script>
  function addProduct() {
    // TODO
  }
</script>

</body>
</html>

```

Your Task

Write the missing JavaScript function `addProduct()` to make the **[Add]** button work as expected – when clicked **adds** the new product's information to the restaurant bill. The **[Add]** button should:

- **Append** the **text** received from the **input boxes** as a **new row at the end** of the **table's body**
- **Add** the **new product's price** to the **total** sum
- **Clear** the **input boxes** after the **product's information** is **submitted**
- **Do nothing** if **either of text boxes** is **empty**

Submission

Submit only your `addProduct` function.

Scroll down for examples.

Examples

First example:

Restaurant Bill

Product	Price
Total:	0.00

Add new product

Product:

Price:

```
<head>...</head>
<body>
  <h2>Restaurant Bill</h2>
  <table id="bill">
    <thead>...</thead>
    ... <tbody id="product-list"></tbody> == $0
  <tfoot>
    <tr>
      <td>Total:</td>
      <td>0.00</td>
    </tr>
  </tfoot>
</table>
<section id="add-product">...</section>
<script>...</script>
</body>
</html>
```

Restaurant Bill

Product	Price
Shopska	4.99
Total:	4.99

Add new product

Product:

Price:

```
<head>...</head>
<body>
  <h2>Restaurant Bill</h2>
  <table id="bill">
    <thead>...</thead>
    <tbody id="product-list">
      ... <tr> == $0
        <td>Shopska</td>
        <td>4.99</td>
      </tr>
    </tbody>
  <tfoot>
    <tr>
      <td>Total:</td>
      <td>4.99</td>
    </tr>
  </tfoot>
</table>
<section id="add-product">...</section>
<script>...</script>
```

Scroll down for more examples.

Second example:

Restaurant Bill

Product	Price
Shopska	4.99
Total:	4.99

Add new product

Product:

Price:

```
<head>...</head>
<body>
  <h2>Restaurant Bill</h2>
  <table id="bill">
    <thead>...</thead>
    ... <tbody id="product-list"> == $0
      <tr>
        <td>Shopska</td>
        <td>4.99</td>
      </tr>
    </tbody>
  <tfoot>
    <tr>
      <td>Total:</td>
      <td>4.99</td>
    </tr>
  </tfoot>
</table>
<section id="add-product">...</section>
<script>...</script>
```

Restaurant Bill

Product	Price
Shopska	4.99
Burgasko	1.49
Total:	6.48

Add new product

Product:

Price:

```
<head>...</head>
<body>
  <h2>Restaurant Bill</h2>
  <table id="bill">
    <thead>...</thead>
    <tbody id="product-list">
      <tr>
        <td>Shopska</td>
        <td>4.99</td>
      </tr>
      ... <tr> == $0
        <td>Burgasko</td>
        <td>1.49</td>
      </tr>
    </tbody>
  <tfoot>
    <tr>
      <td>Total:</td>
      <td>6.48</td>
    </tr>
  </tfoot>
</table>
```