JS Advanced: Retake Exam 5 September 2017

Problems for exam preparation for the "JavaScript Advanced" course @ SoftUni. Submit your solutions in the SoftUni judge system at https://judge.softuni.bg/Contests/756/.

Problem 1. Sort Table (Simple DOM Interaction)

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

sort-table.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Sort Table</title>
  <style>
    body {
      padding: 30px;
    }
    table {
      border: 1px solid black;
      border-collapse: collapse;
    }
    th, td {
      padding: 5px 20px;
    }
    th {
      background: #cccccc;
    }
    tr:nth-child(odd) {
      background: #eeeeee;
    }
    tr:nth-child(even) {
      background: #dddddd;
    }
    a {
      color: black;
      text-decoration: none;
    }
    a:hover {
      color: white;
    }
    .active {
      color: #99ff99;
    }
  </style>
  <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>
</head>
<body>

<h1>Sort Table</h1>
<table id="products">
  <thead>
```

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```
    <tr>
      <th>Name <a href="javascript:sort(0, false)">&#x25B2;</a> <a
href="javascript:sort(0, true)">&#x25BC;</a></th>
      <th>Price <a href="javascript:sort(1, false)">&#x25B2;</a> <a
href="javascript:sort(1, true)">&#x25BC;</a></th>
    </tr>
    </thead>
    <tbody>
    <tr>
      <td>Potatoes</td>
      <td>0.89</td>
    </tr>
    <tr>
      <td>Tomatoes</td>
      <td>2.30</td>
    </tr>
    <tr>
      <td>Bananas</td>
      <td>1.79</td>
    </tr>
    </tbody>
</table>

<script>
function sort(colIndex, descending) {
  //TODO:
}
</script>

</body>
</html>
```

Your Task

Write the missing JavaScript function sort(), that **sorts** the table depending on the passed in **arguments**. The table will always have **two** columns, first column is a string (**name** of a product) and the second a number (**price** of a product). The first parameter is the **column index** which is either 0 or 1 (name column or price column), the second parameter is a **Boolean** variable which **indicates** whether the sorting is **descending** or **ascending**.

- Depending on the pressed button the sorting is either ascending or descending.
- There are four buttons and each column has two.

You should **not** attach **event listeners** to the buttons, they have already been **configured** (see the **HTML skeleton**).

Submission

Submit only your **sort** function.

Scroll down for examples.

Examples

Sort Table

Name ▲ ▼	Price ▲ ▼
Bananas	1.79
Potatoes	0.89
Tomatoes	2.30

Ascending by **name**

Sort Table

Name ▲ ▼	Price ▲ ▼
Bananas	1.79
Potatoes	0.89
Tomatoes	2.30

Descending by **name**

Sort Table

Name ▲ ▼	Price ▲ ▼
Potatoes	0.89
Bananas	1.79
Tomatoes	2.30

Ascending by **price**

Sort Table

Name ▲ ▼	Price ▲ ▼
Tomatoes	2.30
Bananas	1.79
Potatoes	0.89

Descending by **price**