# JS Advanced: Retake Exam 5 September 2017

Problems for exam preparation for the [“JavaScript Advanced” course @ SoftUni](https://softuni.bg/courses/javascript-advanced). 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 |
| <!DOCTYPE **html**> <**html lang="en"**> <**head**>  <**meta charset="UTF-8"**>  <**title**>Sort Table</**title**>  <**style**>  **body** {  **padding**: 30**px**;  }  **table** {  **border**: 1**px solid black**;  **border-collapse**: **collapse**;  }  **th**, **td** {  **padding**: 5**px** 20**px**;  }  **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**>  <**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

|  |  |
| --- | --- |
| ascending-by-name  **Ascending** by **name** | ascending-by-name  **Descending** by **name** |
| ascending-by-price  **Ascending** by **price** | descending-by-price  **Descending** by **price** |