

JS Advanced: Exam 23 July 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/699/>.

Problem 1. Select and Print (Simple DOM Interaction)

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

select-print.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Select and Print</title>
  <style>
    select { width: 100px }
    .block { display: inline-block; vertical-align: top; text-align: center }
    button { width: 60px }
    #btnRight { display: block; margin-top: 20px }
    #btnLeft { display: block; margin-top: 5px }
    #btnPrint { display: block; margin-top: 5px }
  </style>
  <script src="https://code.jquery.com/jquery-3.1.1.min.js"></script>
</head>
<body>
  <div class="block">
    <div>Available towns</div>
    <select id="available-towns" size="5">
      <option>Sofia</option>
      <option>Varna</option>
      <option>Pleven</option>
    </select>
  </div>
  <div class="block">
    <button id="btnRight" onclick="move('right')">&rightarrow;</button>
    <button id="btnLeft" onclick="move('left')">&leftarrow;</button>
    <button id="btnPrint" onclick="move('print')">Print</button>
  </div>
  <div class="block">
    <div>Selected towns</div>
    <select id="selected-towns" size="5">
      <option>Plovdiv</option>
      <option>Ruse</option>
    </select>
  </div>
  <div id="output"></div>
  <script>
    function move(command) {
      // TODO
    }
  </script>
</body>
</html>
```

Your Task

Write the missing JavaScript function `move()`. When a **button** is **clicked**, the function is called with a string **parameter** (a command):

- Parameter **"right"** is received when the → button is **clicked** – move the selected **town** from **Available towns** to **Selected towns**
- Parameter **"left"** is received when the ← button is **clicked** – move the selected **town** from **Selected towns** to **Available towns**
- Parameter **"print"** – Replace the contents of the **div** element with ID **"output"** with a list of the town names of all towns from **Selected towns**, joined with a **semicolon and space (" ; ")**.

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

Examples

Available towns
Sofia
Varna
Pleven

→
←
Print

Selected towns
Plovdiv
Ruse

Elements

Console

Sources

Network

»

▼<div>Available towns</div>
▼<select id="available-towns" size="5"> == \$0
 <option>Sofia</option>
 <option>Varna</option>
 <option>Pleven</option>
 </select>
</div>

Available towns
Varna
Pleven

→
←
Print

Selected towns
Plovdiv
Ruse
Sofia

Elements

Console

Sources

Network

»

▼<div>Selected towns</div>
▼<select id="selected-towns" size="5"> == \$0
 <option>Plovdiv</option>
 <option>Ruse</option>
 <option>Sofia</option>
 </select>
</div>
<div id="output"></div>

Available towns
Varna
Pleven

→
←
Print

Selected towns
Plovdiv
Ruse
Sofia

Elements

Console

Sources

Network

»

▼<div>Selected towns</div>
▼<select id="selected-towns" size="5"> == \$0
 <option>Plovdiv</option>
 <option>Ruse</option>
 <option>Sofia</option>
 </select>
</div>

Available towns
Varna
Pleven
Ruse

→
←
Print

Selected towns
Plovdiv
Sofia

Elements

Console

Sources

Network

»

▼#shadow-root (open)
 ▼<head>...</head>
 ▼<body>
 ▼<div class="block">
 <div>Available towns</div>
 ▼<select id="available-towns" size="5">
 <option>Varna</option>
 <option>Pleven</option>
 <option>Ruse</option>
 </select>

Available towns

Varna
Ruse

→

←

Print

Selected towns

Plovdiv
Sofia
Pleven

Plovdiv; Sofia; Pleven

Submission

Submit only your **move** function.