

TEHTÄVÄNANTO JA VASTAUKSET

1. Luo assosiatiivinen array nimeltään bookArray, jossa on samat kentät kuin book-
taulussa kts. <https://peatutor.com/databases/library.php>

```
associativeArray-teht16.js X
associativeArray-teht16.js > ...
1  const bookArray = [
2    // 1
3    {
4      id_book: "1",
5      name: "C++",
6      author: "Bjarne Stroustrup",
7      isbn: "978-951-98548-9-2",
8    },
9    {
10     id_book: "2",
11     name: "Javascript",
12     author: "Brendan Eich",
13     isbn: "827-103-20394-3-9",
14   },
15   {
16     id_book: "3",
17     name: "Ruby On Rails",
18     author: "David Heinemeier Hansson",
19     isbn: "849-456-34562-4-1",
20   },
21   {
22     id_book: "4",
23     name: "React",
24     author: "Facebook",
25     isbn: "978-123-45678-9-7",
26   },
27   {
28     id_book: "5",
29     name: "Vim",
30     author: "Bram Moolenaar",
31     isbn: "394-304-10294-4-9",
32   },
33   {
34     id_book: "6",
35     name: "Notepad++",
36     author: "Don Ho",
37     isbn: "049-192-30293-9-9",
38   },
39 ];
```

2. Tulosta konsolille mikä luomasi taulun "tietotyyppi" on (JS:n typeof-funktio)

```
40  console.log("This is bookArray's data type: ", typeof bookArray); // 2
This is bookArray's data type: object
```

3. Tulosta konsolille koko bookArrayn sisältö

```
42  console.log("Printing whole bookArray: ", bookArray); // 3
Printing whole bookArray: [
  {
    id_book: '1',
    name: 'C++',
    author: 'Bjarne Stroustrup',
    isbn: '978-951-98548-9-2'
  },
  {
    id_book: '2',
    name: 'Javascript',
    author: 'Brendan Eich',
    isbn: '827-103-20394-3-9'
  },
  {
    id_book: '3',
    name: 'Ruby On Rails',
    author: 'David Heinemeier Hansson',
    isbn: '849-456-34562-4-1'
  },
  {
    id_book: '4',
    name: 'React',
    author: 'Facebook',
    isbn: '978-123-45678-9-7'
  },
  {
    id_book: '5',
    name: 'Vim',
    author: 'Bram Moolenaar',
    isbn: '394-304-10294-4-9'
  },
  {
    id_book: '6',
    name: 'Notepad++',
    author: 'Don Ho',
    isbn: '049-192-30293-9-9'
  }
]
```

4. Tulosta konsolille bookArrayn ensimmäinen rivi

```
44  console.log("Printing first row from the bookArray: ", bookArray[0]); // 4
Printing first row from the bookArray: {
  id_book: '1',
  name: 'C++',
  author: 'Bjarne Stroustrup',
  isbn: '978-951-98548-9-2'
}
```

5. Tulosta konsolille ensimmäisen kirjan nimi

```
46 console.log("Printing the name of the first array's book: ", bookArray[0].name); // 5
```

```
Printing the name of the first array's book: C++
```

6. Tulosta konsolille arrayn rivien määrä

```
48 console.log("Printing the number of rows in the array: ", bookArray.length); // 6
```

```
Printing the number of rows in the array: 6
```

7. Tulosta konsolille kaikkien kirjojen nimet

```
50 console.log("Printing the book names in the array: "); // 7
51 bookArray.forEach(function (bookArray) {
52     console.log(bookArray.name);
53 });
54
```

```
Printing the book names in the array:
C++
Javascript
Ruby On Rails
React
Vim
Notepad++
Waiting for the debugger to disconnect...
```