

findMaximumArray.js

```
1  /*
2    Author: zikrimansyursyah
3
4    Case : Tugas anda adalah menemukan nilai terbesar pada data array berikut
5
6    Example Input: [3, 8, 1, 9, 4, 6]
7    Example Output: Maximum value of arrCase1 : 9
8
9    Notes:
10   - dilarang menggunakan array prototype seperti .map() .sort() .filter() dll
11   - tampilkan expected output dengan console.log()
12   - ujicoba dengan case array yang telah disediakan
13 */
14
15 function cariNilaiMaksimum(arr) {
16   // konfigurasi parameter sesuai kebutuhan anda
17   let nilai = 0;
18
19   for (let i = 0; i < arr.length; i++) {
20     if (arr[i] > nilai) {
21       nilai = arr[i];
22     } else {
23       continue;
24     }
25   }
26
27   return nilai;
28 }
29
30 // CASE VALUE
31 const arrCase1 = [0, 6, 8, 13, 6, 5, 3, 9, 34, 1, 2, 8, 4];
32 const arrCase2 = [
33   4.58, 7.78, 5.58, 5.15, 3, 4, 2.41, 4.53, 1, 5, 2.68, 1, 9, 6.39, 6,
34 ];
35 const arrCase3 = [
36   5, 0.88, 6.25, 5, 5.48, 1, 6, 6.1, 2, 9.33, 6, 9.59, 6, 0.36, 8.14, 9, 0,
37   4.94, 4.81, 3.03, 6.23, 4.92,
38 ];
39 const arrCase4 = [0, 5, 5, 8, 4, 8.56, 7.85, 0, 8, 8, 5.61, 6.79, 1];
40
41 // TEST CASE
42 console.log("Maximum value of arrCase1 : ", cariNilaiMaksimum(arrCase1));
43 console.log("Maximum value of arrCase2 : ", cariNilaiMaksimum(arrCase2));
44 console.log("Maximum value of arrCase3 : ", cariNilaiMaksimum(arrCase3));
45 console.log("Maximum value of arrCase4 : ", cariNilaiMaksimum(arrCase4));
46
```