

# JavaScript Assessment 1

## SET B

1 . An array is **special** if every **even index** contains an **even number** and every **odd index** contains an **odd number**.

Test Cases:

i. **input** : [ 2, 7, 4, 9, 6, 1, 6, 3 ]

**output** : Its a special array

**explanantion** : every even index has even numbers and odd index has odd numbers

ii. **input** : [ 2, 7, 8, 8, 6, 1, 6, 3 ]

**output** : Not a special array

**explanantion** : index 3 has an even number 8.

2 . Get a number **n** as input. The task is to **print all the prime numbers** below that given number. If the given number itself is a prime number you can print the given number also.

Test Cases:

i. **input** : 20

**output** : 2, 3, 5, 7, 11, 13, 17, 19

ii. **input** : 37

**output** : 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37

3 . Get a string array . The task is to find the **repeated character strings** and store it in the new array.

**Test Cases:**

i. **input** : [ "aaaaa" , "bc" , "eeee" , "xyz" ]

**output** : [ "aaaaa" , "eeee" ]

ii. **input** : [ "88" , "999" , "545" , "224" , "133" , "6666" , "44424" ]

**output** : [ "88" , "999" , "6666" ]



4 . Get an array of integers as input. The task is to print the array in the order - **smallest number, the Largest number, 2nd smallest number, 2nd largest number, 3rd smallest number, 3rd largest number** and so on...

**Test Cases:**

i. **input** : [5,8,1,4,2,9,3,7,6]  
**output** : [1,9,2,8,3,7,4,6,5]

ii. **input** : [1,2,3,4]  
**output** : [1,4,2,3]

