JavaScript exercises

Hint:

To read input from user look at the sample code:

<html> <head> </head>

<body> <script>

var x= prompt("Enter a number");

alert(Number(x)+5);

</script> </body> </html>

Or you could follow any other methods for input / output.

1. Read a integer from user and print the following messages as output
2. It is Even or odd
3. Read a integer from user and print the following messages:
4. Print the Count of the total number of digits, total number of odd digits, and total number of even digits.
5. Print the sum of all digits of the given number, print the largest digit in the given number, and print the smallest digit in the given number.
6. Print the reverse of the given number and print whether it is a palindrome number or not.
7. Print the factorial of the given number
8. Print the integer, first character found in the following sentence:

“98% is the dividend announced by Shri Ashishkumar Chauhan, Managing Director & CEO for the year 2021”

**Arrays:**

**Note: Work on this link before attempting the following problems:**

**https://www.w3resource.com/javascript-exercises/javascript-array-exercises.php**

1. Print the largest and smallest number in the given array.
2. Split the array into two arrays based on odd/even.
3. Print the common words from the given two string arrays.

Example : arr1 = [“ CBE”, “CHENNAI”, “Trichy”]

arr2 = [“cbe”,”Chennai”, “Tanjore”]

Output is: “CBE”, “CHENNAI”

1. In a fruit shop , customer read outs the name of the fruits he wants. While billing he removes few fruits mentioned at the last.

Write a javascript program to read input using prompt, append the fruit names to the array, and finally print only the fruits that are finally purchased by the customer.

Hint: use push, slicing method of arrays in JS.

**Hard Problems:**

1. There is an array with some numbers. All numbers are equal except for one. Try to find it!

([ 1, 1, 1, 2, 1, 1 ]) the amswer is 2

([ 0, 0, 0.55, 0, 0 ]) the answer is 0.55

1. There is an array of strings. All strings contains similar letters except one. Try to find it!

([ 'Aa', 'aaa', 'aaaaa', 'BbBb', 'Aaaa', 'AaAaAa', 'a' ]) answer is 'BbBb'

findUniq([ 'abc', 'acb', 'bac', 'foo', 'bca', 'cab', 'cba' ]) answer is 'foo'

Strings may contain spaces. Spaces are not significant, only non-spaces symbols matters. E.g. string that contains only spaces is like empty string.

It’s guaranteed that array contains more than 2 strings.