JavaScript – while Loop

Practice Problems

Answer the following questions and run the code in Codepen.

Q1. Write a JavaScript program to find the **GCD** of two numbers : 15 and 25.

[The GCD or Greatest Common Divisor of two integers is the largest integer that divides each of the integers such that their remainder is zero.**]**

Sample Data

Input:

```
num1 = 15;
num2 = 25;
```

See 18. exercise 1.js

Output:

```
5
```

Q2. Write a JavaScript program to print the **LCM** of two numbers: 15 and 20?

[A common multiple is a number that is a multiple of two or more integers. e.g. The common multiples of 3 and 4 are 0, 12, 24, ... The least common multiple (LCM) of two numbers is the smallest number (not zero) that is a multiple of both.**]**

Sample Data

Input:

```
n1 = 5;
n2 = 18;
```

See 18. exercise 2.js

Output:

```
90
```

Q3. Write a JavaScript program to find the number of even values in sequence before the first occurrence of a given number. **[**Hint: You can use while loop here**]**

Sample Data

Input:

> **Array:** [1,2,3,4,5,6,7,8,9,10,11,12]
>
> **Number:** 8

See 18. exercise 3.js

Output:

> 3

Q4. Write a JavaScript program to **sum** the **multiples** of **3** and **5** under **1000**.

Sample Data

Input:

Numbers from 0 to 1000

18. exercise 4.js

Output:

233168

Q5. Write a JavaScript program which iterates the integers from 1 to 15. But for multiples of three print "Fizz" instead of the number and for the multiples of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz".

Sample Data

Input:

Numbers from 0 to 15

See 18. exercise 5.js

Output:

1
2
3 Fizz
4
5 Buzz
...

Codepen URL: https://codepen.io/qaifikhan/pen/EMmqza

My Twitter Handle: @qaifikhan

All the Best!