**Course**
# JavaScript Programming Language and jQuery

**Module 1**

TOPIC: INTRODUCTION TO JAVASCRIPT

## Task

*\* Use recursion in all tasks.*

1. Write the function of raising a number to a power.
2. Write the search function of the greatest common divisor.
3. Write a function to find the maximum digit of a number.
4. Write a function that determines whether the passed number is prime.
5. Write a function to output all the multipliers of the passed number in ascending order.
   For example: the number is 18 – multipliers are 2 * 3 * 3.
6. Write a function that returns the Fibonacci number by the passed index number. Fibonacci numbers: 1, 1, 2, 3, 5, 8, 13 ... The row is based on the fact that each number is equal to the sum of the two previous numbers.
   For example: index number is 3 – number is 2, index number is 6 – number is 8.