Course
JavaScript Programming Language and jQuery

Module 1

TOPIC: INTRODUCTION TO JAVASCRIPT

Task

1. Write a function that takes 2 numbers and returns -1 if the first is less than the second, 1 if the first is greater than the second, and 0 if the numbers are equal.

2. Write a function that calculates the factorial of the number passed to it.

3. Write a function that takes three separate digits and turns them into one number. For example: the digits 1, 4, 9 will become the number 149.

4. Write a function that takes the length and width of a rectangle and calculates its area. If 1 parameter is passed to the function, then it calculates the square area.

5. Write a function that checks whether the number passed to it is perfect. Perfect number is a number equal to the sum of all its divisors.

6. Write a function that takes minimum and maximum values for the range and outputs only perfect numbers of the range. Use the function written earlier to find out whether the number is perfect or not.

7. Write a function that takes time (hours, minutes, seconds) and displays it on the screen in the format "hh:mm:ss". If minutes

and/or seconds were not sent when the function was called, then output them as 00.

8. Write a function that takes hours, minutes, and seconds and returns this time in seconds.

9. Write a function that takes the number of seconds, converts them into hours, minutes, and seconds and returns them as a string "hh:mm:ss".

10. Write a function that calculates the difference between dates. The function takes 6 parameters, which describe 2 dates, and returns the result as a string "hh:mm:ss". When completing the task, use the functions from the previous 2 tasks: first convert both dates into seconds, find the difference in seconds, and then convert the difference back to "hh:mm:ss".