Assignment 3

Due on 2019-10-18, 23:59:59

In this assignment, you will be working on extending the API to include new functionalities.

1. Create a new method that returns the current date and time.

2. Implement a new method that calculates the number of days between two dates.

3. Add a new method that checks if a given number is even or odd.

4. Implement a new method that reverses a string.

5. Create a new method that calculates the factorial of a given number.

6. Add a new method that checks if a given string is a palindrome.

7. Implement a new method that sorts an array of integers in ascending order.

8. Include a new method that calculates the area of a circle given its radius.

9. Create a new method that finds the maximum value in an array.

10. Add a new method that checks if two strings are anagrams of each other.

11. Implement a new method that checks if a given number is a perfect square.

12. Include a new method that returns the sum of all digits in a given number.