SNACK: FUNCTIONS

1. **isEven(integer) -> boolean:** Write a function that takes an integer and returns **true** if the integer is even and returns **false** if the integer is odd.

2. **isPrimeNumber(integer)-> boolean:** Write a function that takes an integer and returns **true** if the number is a prime number and returns **false** if it is not a prime number.

3. **subtract(integer, integer)-> integer:** Write a function that takes 2 integers and returns the **positive difference** irrespective of the parameter order. ie 3, 7 and 7, 3 should return 4.

4. **divide(integer, integer)-> float**: Write a function that takes 2 integers and returns the quotient **approximated to 2 decimal place**. If the second integer is 0 (zero). please return 0 as your quotient.

5. **factorOf(integer)-> integer:** Write a function that takes an integer and returns the number of factor for the integer. ie, if the function takes in 10, it should return 4 because factors of 10 are 1,2,5,10.

6. **isSquare(integer)->boolean:** Write a function that takes an integer and returns true if the integer is a square number. ie if i pass in 25, the function should return true.

7. **isPalindrome(integer)->boolean:** Write a function that takes an 5 digit integer and returns true if it is a palindrome. ie if I pass in 54145, it should return true.

8. factorialOf(integer)-> long: Write a function that takes an integer and returns the factorial of the number. If i pass in 5, i expect 120 (5 * 4 * 3 * 2 *1)

You can google the mathematics terms used in this assignment to gain clarity before doing the tasks.

Create a class called **Kata** and create all of the functions in the class.

Submission instruction: push the code alongside your existing code to github and add me as a contributor (my handle is ***i-am-chibuzo)***.

Submission Deadline: 8pm Wednesday, July 3rd, 2024.

PS: This snack is not a group snack, DO NOT SHARE.

Enjoy!!!