**Python Task Questions**

**Task 1:**

**Task:** Mathematical Operations and Statistics

You are provided with a set of basic mathematical operations and statistical functions in Python.

Create a python module, which includes functions for addition, subtraction, multiplication, division, mean, and median.

**Functions:**

add (a, b): Adds two numbers.

difference (a, b): Subtracts the second number from the first.

product (a, b): Multiplies two numbers.

division (a, b): Divides the first number by the second, handling division by zero.

mean(numbers): Calculates the mean (average) of a list of numbers.

median(numbers): Calculates the median of a list of numbers.

**Your Task:**

Execute the functions with sample values to ensure they work as expected.

**Task 2:**

**Task:** Word Length Counter

**Description:**

Create a Python script that takes a sentence as input from the user and calculates the length of each word in the sentence. The script should include the following functionalities:

**Input:**

Accept a sentence from the user.

Word Length Calculation:

For each word in the sentence, calculate and display its length.

**Output:**

Display a list of words along with their respective lengths.

**Sample Output:**

Enter a sentence: "Greetings from Hackboats, students."

Word Lengths:

Greetings: 9

from: 4

Hackboats,: 10

students.: 9

**Task 3:**

**Task:** Odd or Even Sum Calculator

**Description:**

Create a Python script that takes a list of numbers as input from the user. The script should then calculate and display the sum of all odd numbers and the sum of all even numbers in the list.

**Input:**

Accept a list of numbers from the user.

Sum Calculation:

Calculate and display the sum of odd numbers.

Calculate and display the sum of even numbers.

**Output:**

Display the total sum of odd and even numbers.

**Sample Output:**

Enter a list of numbers separated by spaces: 1 2 3 4 5 6 7 8 9

Odd Sum: 25

Even Sum: 20