

Programming and Problem Solving through Python Practical PR3 - JULY 2025

Qs1-Implement python script to accept line of text and find the number of characters, number of

vowels and number of blank spaces in it.

Qs 2-Write a program that takes as input a list having a mix of 10 positive numbers and a key value.

Apply linear search to find whether the key is present in the list or not.

If input is: [10, 50, 30, 70, 80, 20, 90, 40], key = 30

Then output should be: Yes

If input is: [10, 50, 30, 70, 80, 20, 90, 40], key = 15

Then output should be: No

Qs 3- Write a Function to Compute the Sum of n Terms of the Following Series.

Series: $X + X^4 / 4! + X^6 / 6! + X^8 / 8! + \dots$ for any positive integer value of X.