Assignment 1 (17th jan 2024)

Write the Lex program for the following : (Question1- 3 marks, Question2 -3 marks, Question 3 - 4 marks). [Note : $1 < \text{Num} < 10000$]   **Total = 10 marks**

1. **Lex Program to count the number of words in a given sentence.**

Sample Input	**Sample Input**
Enter the input Nitk Surathkal Mangaluru	1235448
Sample Output	**Sample Output**
3	Invalid input

2. **Lex program to check whether given number is prime number or not**

Sample Input	**Sample Input**
97	862
Sample Output	**Sample Output**
Prime Number	Not a Prime Number

3. **Lex program to check whether given number is armstrong number or not**

Sample Input	**Sample Input**
54748	154
Sample Output	**Sample Output**
Armstrong Number	Not a Armstrong Number