1. Write a Python program to count the total number of alphabets, digits, and special characters in a string. Here, space is considered as a special character.
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   Sample Input:
   This is CSE110 Course.
   Sample Output:
   The number of Alphabets in the string is: 15
   The number of Digits in the string is : 3
   The number of Special characters in the string is: 4

2. Write a Python program to find the largest and smallest word in a string.
   [you are not allowed to use max() and min()]
   Sample Input :
   It is a string with the smallest and largest word.
   Sample Output :
   The largest word is "smallest" and the smallest word is 'a'.

3. Write a Python program that takes two strings from the user. Then remove characters from the first string which are present in the second string. [you are not allowed to use **replace()**]
   ==
   Sample Input1:
   India is great
   is
   Sample Output1:
   nda great

   ==
   Sample Input2:
   this is cSe110 course and we love it
   Sample Output2:
   ths s cse0 curse nd we e t

4. Write a Python program to Capitalize the first character of each word in a String **[You cannot use the built-in upper() function]**

   Sample Input:
   I love python programming
   Sample Output:
   I Love Python Programming

5. Write a python function that takes a string with multiple numbers separated by commas as input from the user. Extract the numbers from the string and make a list and print it. Multiply the numbers of the list and print the product. **[Hint: You can use split()]**

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Sample Input1:

1,2,3,4,5

Sample output1:

['1', '2', '3', '4', '5']

Product:120

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Sample Input2:

10,0,20,3,1

Sample Output2:

['10', '0', '20', '3', '1']

Product:0

6. Write a Python program that reads a number and finds the sum of the series of 1 +11 + 111 + 1111 + ….+N terms.

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Sample Input1:

5

Sample Output1:

1 + 11 + 111 + 1111 + 11111

The Sum is: 1234

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Sample Input2:

8

Sample Output2:

1 + 11 + 111 + 1111 + 11111 + 111111 + 1111111 + 11111111

The Sum is: 12345678

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7. Write a Python program that reads a number and displays the multiplication table of the given integer.

Sample Input: 15

Sample Output :

15X1=15

15X2=30

...

...

15X10=150