WEEK 4 - ASSIGNMENT 5 ASCII STRINGS

Q1. Write a function in Python that counts the number of digits in a given string using ASCII codes.

Input: "Room 101"
Output: 3

Q2. Develop a Python script that counts how many letters are in a string by checking ASCII values.

Input: "Year 2022!"
Output: 4

Q3. Implement a function in Python to check if a string is alphanumeric by examining the ASCII values of its characters.

Input: "Var123"
Output: True

Q4. Write a Python function that toggles the case of each letter in a string (converts uppercase to lowercase and vice versa) using ASCII values.

Input: "Python3.8"
Output: "pYTHON3.8"

Q5. Write a Python script that replaces each non-alphabetic character in a string with a **space**, using ASCII to determine character types.

Input: "Hello, World!"
Output: "Hello World "

Q6. Write a Python program that computes the sum of the ASCII values of all characters in a string.

Input: "abc"
Output: 294 (sum of ASCII values for 'a', 'b', 'c')

Q7. Implement a Python function that checks if a string contains any special characters (non-alphanumeric) by using ASCII codes.

Input: "password123!"
Output: True

Q8. Write a function in Python that removes all numeric characters from a string by checking their ASCII codes.

Input: "Abc123"
Output: "Abc"

Q9. Develop a Python program that finds the character with the maximum ASCII value in a given string.

Input: "hello"
Output: 'o' (highest ASCII character in the string)