

ASSIGNMENT -3

1. Write a Python program to reverse a given string.
Input: Hello, World
Output: dlroW ,olleH
2. Write a Python function that counts the number of vowels and consonants in a string.
3. Write a Python function to find the longest word in a string.
Input: "The quick brown fox"
Output: "quick"
4. Write a Python function to compress a string by replacing repeated characters with their count.
input: "Aaabbbbcccc"
Output: "a3b4c3"
5. Write a program to find the first and last occurrence of the letter "o" and character "," in the string "Hello, World".
6. Write a program to find the last position of a substring "Emma" in the string "Emma is a data scientist who knows Python. Emma works at google".
7. Write a Python program to get a string from a given string where all occurrences of its first char have been changed to "@", except the first char itself.
Input: "python programming performs major role in DA"
Output: "python @rogramming @erforms major role in DA"