

## String Assignment – 2

Q1. Write a Python program to check if a given string is a valid email address.

Ex: [example@domain.com](mailto:example@domain.com)

Hint: Check '@' comes earlier than 'dot'

Q2. Write a Python program to reverse the order of words in a given string without reversing the individual words.

Input: "Hello World from Python"

Output: "Python from World Hello"

Q3. Write a Python program that takes a string and a character as input and returns a list of indices where the character occurs in the string.

Input: "programming", 'm'

Output: [6, 7]

Q4. Write a Python program to remove all occurrences of a given substring from a string.

Input: "This is a test string for testing", "test"

Output: "This is a string for ing"

Q5. Write a Python program to find all unique characters in a given string.

Input: "programming"

Output: ['p', 'o', 'r', 'g', 'a', 'm', 'i', 'n']

Q6. Write a Python program to count the number of words in a given string that start with a specific letter which was taken as a input.

Input: "This is a test string for testing", 't'

Output: 3

Q7. Write a Python program to split a string into a list of words and then join them back into a single string with a hyphen - as a separator.

Input: "Python is awesome"

Output: "Python-is-awesome"

Q8. Write a Python program to capitalize the first and last character of every word in a given string.

Input: "hello world from python"

Output: "Hello World FroM PythoN"

Q9. Write a Python program to remove given special characters from a given string.

Special characters include symbols like @, #, !.

Input: "Hello@World!123"

Output: "HelloWorld123"

