

PROGRAMMING FUNDAMENTALS

Lab Experiment #10

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**OBJECTIVE:**

Explore string manipulation using strip(), lstrip(), and rstrip() functions in Python.

**TOOLS REQUIRED:**

Personal computer with windows and Python installed

**DESCRIPTION:**

This lab focuses on three commonly used string manipulation functions in Python: strip(), lstrip(), and rstrip(). The strip() function is used to remove leading and trailing whitespaces from a string. The lstrip() function removes leading whitespaces, and the rstrip() function removes trailing whitespaces.

**LAB TASK:**

1. Create "lab10\_1.py". Write a program that takes a string as input from the user, uses the strip() function to remove any leading or trailing whitespaces, and then prints the modified string.
2. Create "lab10\_2.py". Write a program that takes a sentence as input from the user. Use the lstrip() function to remove leading whitespaces and print the modified sentence.
3. Create "lab10\_3.py". Write a program that takes a sentence as input from the user. Use the rstrip() function to remove trailing whitespaces and print the modified sentence.
4. Create "lab10\_4.py". Initialize a string variable with a sentence containing whitespaces at various positions. Write a program that uses the strip() function to remove all whitespaces from the sentence and prints the modified string.
5. 4. Create "lab10\_5.py". Write a Python program that takes user input for a sentence containing underscores. Utilize the lstrip() method to remove these leading characters and display the cleaned sentence.

**QUESTIONS:**

Q # 1: What is the purpose of the strip() function in Python?

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Q # 2: Can you use the strip() function to remove characters from the middle of a string? Explain.

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Q # 3:How can you use the strip() function to remove a specific character from both ends of a string?

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**Name:** \_\_\_\_\_

**Roll #:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Subject Teacher**

**Remarks:**