

7th, KM Haridwar, National Highway Vardhmanpuram, Roorkee, Rehmadpur, Uttarakhand 247667

Lab Sheet-07

String Handling using Built-in Functions in C++ BCA I Semester (Session 2025-2026)

Objective:

- To be familiar with the syntax and structure of C++ programming.
- To learn problem-solving techniques using C++

Requirements:

- C++ programming environment
- Text editor or IDE

Program List:

- 1. Write a program to input a string and find its length using strlen().
- 2. Write a program to count the number of vowels in a string using strlen().
- 3. Write a program to copy one string to another using strcpy().
- 4. Write a program to input two strings and check if they are equal using strcpy() and comparison.
- 5. Write a program to concatenate two strings using streat().
- 6. Write a program to join first name and last name using strcat().
- 7. Write a program to compare two strings using strcmp().
- 8. Write a program to check if two strings are equal (case-sensitive) using strcmp().
- 9. Write a program to arrange an array of strings in alphabetical order using strcmp().
- 10. Write a program to reverse a string using strrev().
- 11. Write a program to check if a string is palindrome using strrev().
- 12. Write a program to find the first occurrence of a character in a string using strchr().
- 13. Write a program to find the last occurrence of a character in a string using strrchr().
- 14. Write a program to find a substring inside another string using strstr().
- 15. Write a program to check if one string is present in another using strstr().



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- 16. Write a program to count the number of words in a string using strlen() and spaces.
- 17. Write a program to remove all vowels from a string using string functions.
- 18. Write a program to copy only first 5 characters of one string to another using strncpy().
- 19. Write a program to join multiple strings into one sentence using streat().
- 20. Write a program to check whether two strings are anagrams using string functions.

Instructions:

- Write comment to make your programs readable.
- Use descriptive variables in your programs (Name of the variables should show their purposes)

Guidelines:

- Use Clear and Consistent Syntax
- Manage Variables and Data Types Correctly
- Handle Input/Output Effectively

Submission:

• Submit the source code files (.cpp) for each task along with a brief report documenting the implementation details and the results of the executions.