

Day 19

Lab Assignments

1. WAP to find the length of a string with and without using a library function.
Input: Enter a string: India
Output: Length of the string = 5
2. WAP to copy one string into another with and without using a library function
Input: Enter the source string: India
Output: After copying:
Source string: India
Destination string: India
3. WAP to find the reverse of a string with and without using a library function.
Input: Enter a string: India
Output: Reverse of the given string: aidnI
4. WAP to replace all occurrences of a character in a given string with a new character.
Input: Enter a string: Kalinga Institute of Industrial Technology
Enter the character to be replaced: a
Enter the character to be replaced with: b
Output: After replacement, string is: Kblingb Institute of Industribl Technology
5. WAP to extract the first character of each word of a given string (Achromatic string).
Input: Enter a string: Kalinga Institute of Industrial Technology
Output: First character of each word of the given string: KIoIT
6. WAP to compare two string with and without using a library function
Input 1: Enter the first string: Ajit
Enter the second string: Ajay
Output 1: In the alphabetical order first string will be after the second string.
Input 2: Enter the first string: Ajit
Enter the second string: Anand
Output 2: In the alphabetical order first string will be before the second string.
Input 3: Enter the first string: Shyam
Enter the second string: Shyam
Output 3: Both strings are same.

Home Assignments

1. WAP to extract the last character of each word of a given string.
Input: Enter a string: Kalinga Institute of Industrial Technology
Output: Last character of each word of the given string: aefly
2. Write a program to concatenate two strings without using any library function.
Input: Enter the first string: Ajay
Enter the second string: Anand
Output: Afer concatenation first string is: AjayAnand

3. WAP to check whether a string entered through keyboard is palindrome or not.
Input 1: Enter a string: madam
Output 1: String is palindrome
Input 2: Enter a string: India
Output 2: String is not palindrome
4. WAP to read a sentence and print frequency of each of the vowels and total count of consonants present in it.
Input : Enter a string: international
Output : Vowels: a:2 e:1 i:2 o:1 u:0
Consonants:7
5. WAP to capitalize first character of each word of a string entered through keyboard.
Input: Enter a string: prakash kumar singh
Output: After capitalizing first letter, string is: Prakash Kumar Singh
6. Write a C program to extract a sub-string from a given string. Prompt the user to enter the starting position and length of the sub-string.
Input: Enter a string: Indian Space Research Organization
Enter the starting position of the sub-string: 8
Enter the length of the string: 5
Output: Sub-string: Space