

**Institute of Computer Technology**  
**B. Tech. Computer Science and Engineering**  
**Sub: DS (2CSE302)**

**Practical -8**

**Objectives:** Implement the scenario based on string.

1. Soham is class teacher of standard 3 and he wants to add students first name as per their current seating. After that he wants to set it in alphabetical order. Kindly refer the given scenario and provide appropriate solution in C.

Enter the number of students:6

Enter the name of student-1:Yagnik

Enter the name of student-2:Kashyap

Enter the name of student-3:Kasturi

Enter the name of student-4:Flora

Enter the name of student-5:Abhi

Enter the name of student-6:Nisha

Student List as per alphabetical order:

Abhi

Flora

Kashyap

Kasturi

Nisha

Yagnik

2. Jigar wants check for those strings which are having same reverse string as original.

For instance:

Case 1:

Enter the String: manali

Reverse String: ilanam

Result: Not Same as original

Case 2:

Enter the String: madam

Reverse String: madam

Result: Same as original

Homework Task Submission:

1. Develop an algorithm for inserting a new string at given position.

i.e. Enter Main String: Cls

Enter New String: as

Enter location where you want to insert the new string: 2

Final String: Class

2. Implement a C code to inserting new string in the main string.

i.e. Enter first string: DS

Enter Second string: Class

Final string: DSClass