Date: LAB NO: 7 STRINGS Objectives.

In this lab, student will be able to: Declare, initialize, read and write a string [ntroduction A string is an array of characters. Astring is a Astring is a constant Any group of characters (except double quote sign) defined between double quotations is a constant Character strings are often used to build meaningful and readable programs. The common operations performed on strings are Reading and writing strings Combining strings together • Copying one string to another • Comparing strings to another • Extracting a portion of a string etc. Declaration Syntax: char string name[size]; The size determines the number of characters in the string name. Solved exercise Code snippet to read a string void main() constint MAX = 80; //max characters in string charstr[MAX]; //string variable str cout << "Enter a string: "; cin>>str: //put string in str cout << "You entered: " << str<< endl; //display string from str With the brief introduction and knowledge on string handling functions, Write C++ programs without using STRING-HANDLING functions for the following: Count the number of words in a sentence. $V_{\text{Input a string}}$ and toggle the case of every character in the input string. $E_{X:}$ INPUT: aBcDe

OUTPUT:

Check whether the given string is a palindrome or not.

Anange 'n' names in alphabetical order (hint: use string handling function-strcpy)

Additional exercises

1. Delete a word from the given sentence.

Ex: INPUT: • I AM STUDYING IN MIT

TO BE DELETED: STUDYING

- OUTPUT: I AM IN MIT
- 2. Search for a given substring in the main string.
- 3. Delete all repeated words in the given String.
- 4. Read a string representing a password character by character and mask every character in the input with '*'.