



presents

THE JOY OF CODING

October 21-29, 2021

V Semester Students

Takeaways

- Hands on Experience with alternate solutions,
- e-certificate with grades printed on it

DAY – 4

The objective of Day- 3 is to explore the

- String manipulations

Instructions and Guidelines

Students are strictly advised to

- type the code and analyze the working of each statement.
- try all the questions given for the day
- upload the source code and sample output into a folder specified by their mentor
- upload the files to their github account

Question 1

Consider a string “R N S Institute of Technology”. People are fond of abbreviations. So the output expected for above string is **RNSIT**. Write a code to implement the same. Make your code generic so that it can abbreviate any given string say “British Broadcasting Corporation” to **BBC**.

Note: Do not use Built-in libraries.

Question 2

Baby Sanvi’s mother is preparing her for monthly assessment. To assess Sanvi’s recognition and counting ability, mother shows a English sentence say “a *big black bear sat on a big black rug*” and ask her to identify each letter and to tell the most frequent alphabet. In this case it’s **a** with count **6**. Automate this process by writing a program in C.

Note: Assume that the sentence will have only lower-case letters and no special characters.

Question 3

Consider the strings Str1= AACD and Str2= ACDA, Str2 is rotation of Str1, so as ABCD and CDAB. Considering Str3= ABCD and Str4= ACBD, Str4 is not rotated version of Str3. Given two strings Str1 and Str2, write a program that determines whether Str2 is a rotation of Str1

❖ **Happy Coding** ❖