Khulna University of Engineering & Technology

Programming Lab (sheet 4)

1. Write a program that read a string from the keyboard and convert all the characters in it into opposite case. **[sample input = "IiCt"   sample output="iIcT"]**

2. Write a program that will read in a sequence of characters and write out a sequence of encoded characters in its place.

   [**Hint**: If a character is a letter or digit, you have to replace it with the next character in the characters set except that Z will be replaced by A, z by a and 9 by 0. Any character other than a letter or digit will be re placed by a *.]

3. Write a program to concatenate two strings without using built in function of concatenation

4. Write a program to determine whether the input string is a **palindrome** or not. [Example of Palindrome strings = ""**dad", "madam"**, **"radar"** etc]

5. Write a program that reads a data form the keyboard in the form **"dd-mm-yy"** and displays the date in following form-

   January 2nd, 1999

   February 3rd, 1985 etc.

6. Write a program which find largest numbers within a list of numbers.

7. Write a program to calculate row sum and column sum.

8. Write a program which will add/subtract two matrices (2 dimensional or 3 dimensional)

9. Write a program which will reverse any string without using built-in functions.

10. Write a program which will read a line of text (with space) from the terminal and display the text with number of characters.

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