

20CS2035 – OBJECT ORIENTED PROGRAMMING LAB

Ex.No.3	Text Processing Using Java String
Choose your three questions based on the formulae given below,	
Q1=((Regno%3)+1), Q2=((Regno%4)+4), Q3=((Regno%3)+8)	
1	Write a JAVA program that asks the user to input 5 sequences of characters. Then it will ask the user for a character to search for and will output the maximum number of times that it occurred between the 5 sequences. Example: Sequence 1: aabc Sequence 2: aaaa If the user chooses to search for character 'a', the program will output "Character a occurred a maximum of 4 times" because it occurred 4 times in the second sequence, and only twice in the first sequence.
2	Write a JAVA program to get a long paragraph of text and find out the following and prints the same. a. Number of spaces b. Number of words c. Number of characters d. Number of lines
3	Write a JAVA program to get a long paragraph of text and search the given word in the text and prints out the number times it has been occurred with its positions.
4	In an customer care automation application, the names of the customers need to be maintained in an ascending order (alphabetically). Write a JAVA program to get different names and prints them in ascending order.
5	Write a JAVA program to get a long paragraph of text and find out all the vowels and replace it with special symbol (\$), finally outputs the given text and modified text.
6	Write a program that replaces two or more consecutive blanks in a string by a single blank. For example, if the input is Grim return to the planet of apes !! the output should be Grim return to the planet of apes!!
7	Write a program that converts all lowercase characters in a given string to its equivalent uppercase character. (Note: If space comes leave it as it is).

8	<p>Write a program that uses an array of pointers to strings str[]. Receive two strings str1 and str2 and check if str1 is embedded in any of the strings in str[]. If str1 is found, then replace it with str2.</p> <p>For example: the given array of string is</p> <pre>char *str[] = { "We will teach you how to...", "Move a mountain", "Level a building", "Erase the past", "Make a million", "...all through C!" };</pre> <p>if str1 contains "mountain" and str2 contains "car", then the second string in str should get changed to "Move a car".</p>
9	<p>Write a program to delete all vowels from a given sentence. Assume that the sentence is not more than 80 characters long.</p>
10	<p>Write a program to count the number of occurrences of any two vowels in succession in a line of text. For example, in the sentence “Pleases read this application and give me gratuity” such occurrences are ea, ea, ui</p>