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SECOND TERM INTERNAL ASSESSMENT
COMPUTER APPLICATIONS – ASSIGNMENT
[String Handling]

Std. 10

Marks:20

Submission Date : 01/11/2022

Solve the following in the Computer Application journal.

1. Write a program to accept a string . count and print the number of vowels present in the string.
Sample Input: Jamnabai Narsee School
Sample Output: The number of vowels are : 9
2. Write a program to accept a string in lower case and replace 'e' with '*' in the given string.
Sample Input : science
Sample Output : sci*nc*
3. Write a program in Java to the string and change every case of each letter of the string.
Sample Input : WeLCome To ScHool
Sample Output: wElcOME tO sChOOL
4. Write a program in Java to accept the string and display :
 - i. The number of upper-case letters
 - ii. The number of lower-case letters
 - iii. The number of digits present in the string

Sample Input:

STD code of New Delhi :011

Sample Output:

The number of uppercase letters: 5

The number of lower case letters:14

The number of digits present in the string: 3

5. Write a program in java to accept the name and display the initials along with the surname.
Sample Input: Mohandas Karamchand Gandhi
Sample Output: M. K. Gandhi
6. Write a program in java to accept the string as a sentence . Display the new string after reversing the characters of every word.
Sample Input : New Delhi is the capital of India
Sample Output : weN ihleD si eht latipac fo aidnI
7. Write a program to display the given pattern.
B L U E J
B L U E
B L U
B L
B
8. Write a program in java to accept 5 different city names in Single Dimensional Array. Arrange the names in ascending order by using the 'Bubble Sort ' technique and display them.
Sample Input : Dhanbad, Mumbai, Chandigarh, Agra, Banaras
Sample Output : Agra, Banaras, Chandigarh, Dhanbad, Mumbai
9. Write a program in Java to accept a word and display the ASCII code of each character of the word.
Sample Input: BLUEJ
Sample Output:
ASCII code of B is: 66
ASCII code of L is: 75
ASCII code of U is: 84
ASCII code of E is: 69
ASCII code of J is: 73
10. Write a program in java to enter a sentence. Display the words which are only palindromes.
Sample Input : MOM AND DAD ARE NOT AT HOME
Sample Output : MOM, DAD