JAVA PROGRAMMING

ASSIGNMENT-1

DATE:8/7/2024

1. Write a program to reverse a word using loop? (Not to use inbuilt functions)

Sample Input:

String: TEMPLE

Sample Output:

Reverse String: ELPMET

2. Write a program to convent the given string to integer?

Sample Input:

String: 1234

Sample Output:

Out put String: 1234

3. Write a program to check the entered user name is valid or not. Get both the inputs from the user.

```
| Section | Sect
```

4.Write a program that would sort a list of names in alphabetical order Ascending or Descending, choice get from the user?

Sample Input:

Banana

Carrot

Radish

Apple

Jack

Order(A/D): A

Sample Output:

Apple

Banana

Carrot

Jack

Radish

5. Write a program to print the special characters separately and print number of Special characters in the line?

6. Write a program to print the number of vowels in the given statement?

Sample Input:

Saveetha School of Engineering

Sample Output:

Number o vowels = 12

```
Moin,pava

1: import jave.util.5camer;
2: public class Counting/owels ()
3: public vestiv void auxidSving args[]){
4: int count = 0}
5: system.out.println("inter a sentence :");
5: system.out.println("inter a sentence :");
6: Scamer sc = now Scamer(System.in);
7: Sving sentence sc.nextLine();
9: for (int le]; interence.length(); sentence.chark(in);
10: count = sentence.chark(in);
11: af(ch = "a"|| ch == "a"|| c
```

7. Write a program to print consonants and vowels separately in the given word

Sample Input:

Given Word: Engineering

Sample Output:

Consonants: n g n r n g

Vowels: e i e ei

8.Write a program that finds whether a given character is present in a string or not. In case it is present it prints the index at which it is present. Do not use built-in find functions to search the character.

Sample Input:

Enter the string: I am a programmer

Enter the character to be searched: p

Sample Output:

P is found in string at index: 8

Note: Check for non available Character in the given statement as Hidden Test case.

```
1- public class Exercise1 {
2- public static void main(String[] args) {
3- String str = "Jova Exercises1";
4- System.out.println("Original String = " - str);
5- int index2 = str.-char4K(0);
6- int index2 = str.-char4K(0);
7- System.out.println("The character at position 0 is " *
8- (char)index1);
9- System.out.println("The character at position 10 is " *
10- (char)index2);
11- }
12- }
13- | Character at position 10 is " *
```

9. Write a program to arrange the letters of the word alphabetically in reverse order

Sample Input:

Enter the word: MOSQUE

Sample Output:

Alphabetical Order: USQOME

Test Case:

1. HYPOTHECATION

2. MATRICULATION

3. MANIPULATION

10.Write a program that accepts a string from user and displays the same string after removing vowels from it.

Sample Input & Output:

Enter a string: we can play the game

The string without vowels is: w cn ply thgm