

JAVA Logic Placement Preparation Test 5

PRN : 030

Q.2) Accept a sentence , accept a word and count occurrence of that word. Input: Wel come to CDAC it offers DAC in All CDAC centre. Input DAC O/P DAC occurred 3 time

=>

```
package java_logic_test;

import java.util.Scanner;

public class Occurance_of_Word_in_Sentence {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.println("enter a sentance : ");

        String sen = sc.nextLine();

        System.out.println("enter a word : ");

        String word = sc.nextLine();

        occurrenceWord(sen,word);

    }

    static void occurrenceWord(String sen, String word) {

        sen.toLowerCase();
        word.toLowerCase();
        int cnt=0;
        int idx=0;
        while((idx=sen.indexOf(word,idx)) !=-1) {

            cnt++;
            idx+=word.length();
        }
        System.out.println(word + "Occured : "+cnt);
    }
}
```

Q.3) Accept a name from user and check if it is palindrome or not

=>

```
package java_logic_test;

import java.util.Scanner;

public class String_Palindrome {

    public static void main(String[] args) {

        System.out.println("Enter your name : ");
        Scanner sc = new Scanner(System.in);

        String str = sc.nextLine();
        isPalindrome(str);

    }

    static void isPalindrome(String str) {

        char[] ch = str.toLowerCase().toCharArray();

        int l = ch.length;
        int h = l/2;
        int flag=0;

        for(int i=0;i<h;i++) {

            if(ch[i] != ch[l-1-i]) {

                flag=1;

                break;
            }
        }

        if(flag == 1) {System.out.println("Not a palindrome !");}
        } else {System.out.println("Yes Palindrome !");}  } }
```

Q.4) Accept a sentence from user and count total number of words.

=>

```
package java_logic_test;

import java.util.Scanner;

public class Total_No_of_Words_in_String {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter a string : ");

        String str = sc.nextLine();

        System.out.println(wordsInString(str));

    }

    static int wordsInString(String str) {

        int cnt=0;

        boolean isWord = false;

        int endOfLine = str.length()-1;

        char[] ch = str.toCharArray();

        for(int i=0;i<ch.length;i++) {

            if(Character.isLetter(ch[i]) && i!=endOfLine) {isWord=true;}

            else if(!Character.isLetter(ch[i]) && isWord) {cnt++;isWord=false;}

            else if(Character.isLetter(ch[i]) && i==endOfLine) {cnt++;}

        }

        return cnt;

    }

}
```