PRN:046

LOGIC TEST:5

Q1)

Code:

```
public class Main
{
  static void  CountOccuranceWords(String [] words,String sentenece){
     String str1=sentenece.toLowerCase();

     for(String str:words){
       String lowerWord=str.toLowerCase();
       int index=0;
       int count=0;



       while((index=str1.indexOf(lowerWord,index))!=-1){
          count++;
          index=index+lowerWord.length();




       }

       System.out.println(str+" occured "+count+" times");
     }


   }
```

```
        public static void main(String[] args) {

                String words[]={"Car","Truck"};
                String sentence="i have two car and one is baleno car other is truck ";
                CountOccuranceWords(words,sentence);

        }

}
```

Q2)

```
public class Main
{

  static int CountOccurance(String str,String wo){
    String sent=str.toLowerCase();
    String word=wo.toLowerCase();
    int index=0;
    int count=0;
    while((index=sent.indexOf(word,index))!=-1){
      count++;
      index=index+word.length();
    }

    return count;
  }
        public static void main(String[] args) {
                String str="wel come to cdac it offers dac in all Cdac Centre";
```

```
                String word="DAC";
        int count=      CountOccurance(str,word);
        System.out.println("count of word"+word+" in the sentence is ="+count);
        }
}
```

Q3.

Code:

```
import java.util.*;
public class Main
{

   static void palindromOrNot(String str){
      int flag=0;
      char [] name=str.toCharArray();
      int l=name.length;
      int h=l/2;
      for(int i=0;i<h;i++){
         if(name[i] !=name[l-1-i]){
            flag=1;

         }


      }

      if(flag==0) System.out.println("the string is palindrome..");
      else System.out.println("the string is not palindrome..");
```

```
  }
        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                System.out.println("enter the name to check palindrome or not");
                String name=sc.next();
                palindromOrNot(name);



        }
}
```

Q4

Code:

```
import java.util.*;
public class Main
{

  static int wordCount(String str){
    char [] word=str.toCharArray();
    int wordCount=0;
    boolean isWord=false;
    int endline=word.length;

    for(int i=0;i<word.length;i++){
      if(Character.isLetter(word[i]) && i!=endline){
        isWord=true;
      }
```

```
        else if(!Character.isLetter(word[i]) && isWord){
            wordCount++;
            isWord=false;
        }
        else if(Character.isLetter(word[i]) && i==endline){
            isWord=true;
        }
      }
      return wordCount;

  }
        public static void main(String[] args) {
                Scanner sc=new Scanner(System.in);
                System.out.println("enter the string where u want to count words");
                String str=sc.nextLine();
                int count=wordCount(str);
                System.out.println("wordCount in the given sentence is ="+count);

         }
}
```