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Q1.

```
package demo1;

import java.util.Scanner;

public class word_Count {

	public static void main(String[] args) {
		Scanner sc = new Scanner(System.in);
		String[] words= {"car","truck"};

		System.out.println("Enter a paragraph");
		String paragrapgh=sc.nextLine();

		String lowerparagraph=paragrapgh.toLowerCase();

		for(String word:words) {
			String lowerword=word.toLowerCase();
			int count=0;
			int index=0;

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


			}
```

```
                System.out.println(word + " occurred " + count + " time(s)");
            }
            sc.close();



        }

}
```

Q2.

```
package demo1;

import java.util.Scanner;

public class totalcountword_sentence {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);


        System.out.println("Enter a sentence:");
        String sentence = sc.nextLine();


        System.out.println("Enter a word to search:");
        String word = sc.nextLine();


        sentence = sentence.toLowerCase();
```

```
            word = word.toLowerCase();

            int count = 0;
            int index = 0;


            while ((index = sentence.indexOf(word, index)) != -1) {
               count++;
               index = index + word.length(); // move past the found word
            }

            System.out.println(word + " occurred => " + count);
            sc.close();
         }
}
```

Q3.

```
package demo1;

import java.util.Scanner;

public class acept_name_wordcount {

      public static void main(String[] args) {
            Scanner sc=new Scanner(System.in);
            String str=sc.nextLine();

   int start=0;
   int end=str.length()-1;
```

```
        boolean ispallindrome = true;


        while(start<end) {
            if(str.charAt(start)!=str.charAt(end)) {
                        ispallindrome = false;
                        break;
            }
            start++;
            end--;
        }
        if(ispallindrome) {
            System.out.println("name is pallindrome");


        }
        else {
            System.out.println("name is not pallindrome");
        }
            }


}
```

Q4.

```
package demo1;


public class Word_count2 {


        public static void main(String[] args) {
                        System.out.println(count("Wel come to CDAC it offers DAC in All CDAC centre.Input DAC"));
```

```
}

public static int count(String word) {
   if (word == null || word.isEmpty()) {
      return 0;
   }

   int wordCount = 0;
   boolean isWord = false;
   int endOfLine = word.length() - 1;

   char[] characters = word.toCharArray();

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


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

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

      else if (Character.isLetter(characters[i]) && i == endOfLine) {
         wordCount++;
      }
   }
   return wordCount;
}
```

```
}
```