

- 1) Store 2 string in an array eg. ["Car", "Truck",] Write a statement having words Car and Truck. Count occurrence of Car and Truck in given paragraph. Eg. Input I have 2 Car one is Baleno Car and other is Farari Car but Truck is used for transportation. Car occurred 3 time Truck Occurred 1 time

```
package mypack;
```

```
import java.util.*;
```

```
public class Fifth_test
```

```
{
```

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

```
    {
```

```
        Scanner sc = new Scanner (System.in);
```

```
        String[] words = {"car" , "truck"};
```

```
        System.out.println("Enter a paragapgh to serach: ");
```

```
        String para = sc.nextLine();
```

```
        para = para.toLowerCase();
```

```
        for(String word:words)
```

```
        {
```

```
            word = word.toLowerCase();
```

```
            int index = 0;
```

```
            int count = 0;
```

```
            while((index = para.indexOf(word,index))!=-1)
```

```
            {
```

```
                count++;
```

```

        index+= word.length();

    }

    System.out.println(word + " appeared -> " + count);

}

}

}

```

- 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 mypack;

import java.util.*;

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

        System.out.println("Enter a paragapgh to serach: ");
        String para = sc.nextLine();

        para = para.toLowerCase();
    }
}

```

```

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

        word = word.toLowerCase();
        int index=0;
        int count =0 ;

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

        }
        System.out.println("count of the word is: " + count);

    }

}

```

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

package mypack;

```

import java.util.*;

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

```

```

        System.out.println("Enter a string to check: ");
        String str = sc.nextLine();

        String rev = "";
        for(int i=str.length()-1;i>=0;i--)
        {
            rev+=str.charAt(i);
        }
        if(str.equals(rev))
        {
            System.out.println("its a palindrome");
        }
        else
        {
            System.out.println("Its not a palindrome");
        }
    }
}

```

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

```
package mypack;
```

```
import java.util.*;
```

```
public class Fifth_test
```

```

{
    public static int number_of_words(String str)

```

```
{  
  
    if(str==null || str.isEmpty())  
    {  
        return 0;  
    }  
  
    int word_count = 0;  
    boolean isword = false;  
    int EOL = str.length();  
    char [] charac = str.toCharArray();  
    for(int i=0;i<charac.length;i++)  
    {  
        if(Character.isLetter(charac[i]) && i!=EOL)  
        {  
            isword = true;  
        }  
        else if(!Character.isLetter(charac[i]) && i!=EOL)  
        {  
            word_count++;  
            isword = false;  
        }  
        else if(Character.isLetter(charac[i]) && i==EOL)  
        {  
            word_count++;  
        }  
    }  
  
    }  
  
    return word_count;
```

```
}  
  
public static void main(String args[])  
{  
  
    Scanner sc = new Scanner (System.in);  
  
    System.out.println("Enter a string to check: ");  
    String str = sc.nextLine();  
    System.out.println("count of words in string are: " + number_of_words(str));  
  
}  
  
}
```