**Problem 9:**

**Find out if the sting is of series of not**

series bacbcc the alphabet in the string only occur the number of times to the position it is in alphabets. so here a = 1 times b=2 times c=3 times the string should have only exact number of letters that they are on in alphabet order. only small characters will be input.

**Solution: -**

import java.util.\*;

import java.io.\*;

import java.lang.String.\*;

class Alphabet

{

static void calculateOccurance(String text)

{

int letter1=0;

int letter2=0;

String str="-abcdefghijklmnopqrstuvwxyz";

int cnt[]=new int[256];

int len=text.length();

for(int i=0;i<len;i++)

{

cnt[text.charAt(i)]++;

}

char array[]=new char[text.length()];

for(int i=0;i<len;i++)

{

array[i]=text.charAt(i);

int flag=0;

int occ=0;

for(int j=0;j<=i;j++)

{

if(text.charAt(i)==array[j])

{

flag++;

occ++;

}

}

if(flag==1)

{

letter1++;

System.out.println("Occurence of "+text.charAt(i)+" in the given input is "+cnt[text.charAt(i)]);

}

if(str.indexOf(text.charAt(i))==cnt[text.charAt(i)])

{

if(occ==1)

letter2++;

}

else

{

if(occ==1)

System.out.println("Text is not valid");

}

}

if(letter2==letter1)

System.out.println("Text is valid");

}

public static void main(String args[])

{

System.out.println("Enter Small Letter alphabet.....");

Scanner sc=new Scanner(System.in);

String text=sc.nextLine();

calculateOccurance(text);

}

}

**Output: -**

