1. Write a program in Java to create a String object. Initialize this object with your name. Find the length of your name using appropriate String method. Find whether character ‘a’ is in your name or not, if yes find the number of time ‘a’ it appear in your name. Print locations of occurrences of ‘a’. Try same for different String objects
2. Write a program in Java to reverse any String without using StringBuffer
3. Write a Java program to return a substring after removing the all instances of remove string as given from the given main string

Sample Output:

The main string is: This is the test string

The removable string is: st

new string is: This is the te ring

1. Write a Java program to get the index of all the characters of the alphabet

Sample output:

a b c d e f g h i j

=========================

36 10 7 40 2 16 42 1 6 20

k l m n o p q r s t ===========================

8 35 22 14 12 23 4 11 24 31

u v w x y z

================

5 27 13 18 38 37

1. Write program in Java for String handling which perform followings
2. Checks the capacity of StringBuffer objects
3. Reverse the contents of a string given on console and convert the resultant string in upper case
4. Read a string from console and append it to the resultant string of 2.

1

class data  
{  
String name;  
data(String n){ name=n; }  
void disp()  
{  
System.out.println("~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~");  
System.out.println("Name :"+name);  
int c=0;  
int len=name.length();  
for(int i=0;i<len;i++)  
if(name.charAt(i)=='A'||name.charAt(i)=='a')  
{  
c++;  
System.out.println("number of occurance :"+c);  
System.out.println("Possition :"+(i+1));  
}  
if(c==0)  
System.out.println("there is no 'A' available in the string");  
}  
}  
class s08\_01  
{  
public static void main(String ar[])  
{  
data d1=new data("anil kumar");  
d1.disp();  
data d2=new data("biju");  
d2.disp();  
}  
}

2

import java.util.Scanner;

class ReverseStringExample2

{

public static void main(String args[])

{

String s;

Scanner sc=new Scanner(System.in);                    //reading string from user

System.out.print("Enter a String: ");

s=sc.nextLine();

System.out.print("After reverse string is: ");

int i=s.length();                   //determining the length of the string

while(i>0)

{

System.out.print(s.charAt(i-1));                 //printing the character at index i-1

i--;                               //decreasing the length of the string

}

}

}

3

import java.util.\*;

public class Main

{

public String removeString(String m\_string, String r\_string)

{

int m\_st\_len = m\_string.length();

int r\_st\_len = r\_string.length();

String m\_lower = m\_string.toLowerCase();

String r\_lower = r\_string.toLowerCase();

String f\_string = "";

for (int i = 0; i < m\_st\_len; i++)

{

if (i <= m\_st\_len - r\_st\_len)

{

String tmp = m\_lower.substring(i,i+r\_st\_len);

if (!tmp.equals(r\_lower))

f\_string += m\_string.substring(i,i+1);

else

{

i += r\_st\_len-1;

}

}

else

{

String tmp2 = m\_lower.substring(i,i+1);

if (!tmp2.equals(r\_lower))

f\_string += m\_string.substring(i,i+1);

}

}

return f\_string;

}

public static void main (String[] args)

{

Main m= new Main();

String str1 = "This is the test string";

String str2= "st";

System.out.println("The main string is: "+str1);

System.out.println("The removable string is: "+str2);

System.out.println("The new string is: "+m.removeString(str1,str2));

}

}

4

public class Exercise {

public static void main(String[] args)

{

String str = "The quick brown fox jumps over the lazy dog.";

// Get the index of all the characters of the alphabet

// starting from the beginning of the String.

int a = str.indexOf("a", 0);

int b = str.indexOf("b", 0);

int c = str.indexOf("c", 0);

int d = str.indexOf("d", 0);

int e = str.indexOf("e", 0);

int f = str.indexOf("f", 0);

int g = str.indexOf("g", 0);

int h = str.indexOf("h", 0);

int i = str.indexOf("i", 0);

int j = str.indexOf("j", 0);

int k = str.indexOf("k", 0);

int l = str.indexOf("l", 0);

int m = str.indexOf("m", 0);

int n = str.indexOf("n", 0);

int o = str.indexOf("o", 0);

int p = str.indexOf("p", 0);

int q = str.indexOf("q", 0);

int r = str.indexOf("r", 0);

int s = str.indexOf("s", 0);

int t = str.indexOf("t", 0);

int u = str.indexOf("u", 0);

int v = str.indexOf("v", 0);

int w = str.indexOf("w", 0);

int x = str.indexOf("x", 0);

int y = str.indexOf("y", 0);

int z = str.indexOf("z", 0);

// Display the results of all the indexOf method calls.

System.out.println(" a b c d e f g h i j");

System.out.println("=========================");

System.out.println(a + " " + b + " " + c + " " + d + " " +

e + " " + f + " " + g + " " + h + " " +

i + " " + j + "\n");

System.out.println("k l m n o p q r s t");

System.out.println("===========================");

System.out.println(k + " " + l + " " + m + " " + n + " " +

o + " " + p + " " + q + " " + r + " " +

s + " " + t + "\n");

System.out.println("u v w x y z");

System.out.println("================");

System.out.println(u + " " + v + " " + w + " " + x + " " +

y + " " + z);

}

}

5

import java.io.\*;  
class StringHandler  
  {  
    public static void main(String s[]) throws IOException  
      {  
 BufferedReader br=new BufferedReader(new InputStreamReader(System.in));  
 String s1,s2,s3,s4,s5;  
 int i,l;  
 s2=" ";  
 System.out.println("\nEnter the string : \t\t\t");  
 System.out.println("\n=======================\t");  
 s1=br.readLine();  
 System.out.println("\nEntered string is : \t\t\t "+s1);  
 System.out.println("\nlength of the string is : \t\t "+s1.length());  
 StringBuffer sb=new StringBuffer(s1);  
 System.out.println("\nCapacity of string buffer : \t\t "+sb.capacity());  
 l=s1.length();  
 if(l==0)  
   System.out.println("\nString is empty cannot be reversed");  
 else  
   {  
      for(i=l-1;i>=0;i--)  
 {  
   s2=s2+s1.charAt(i);  
 }  
      System.out.println("\nThe reversed string is : \t\t"+s2);  
      s3=s2.toUpperCase();  
         System.out.println("\nUpper case of reverse string is : \t"+s3);  
        System.out.println("\nEnter a new string : \t");  
      System.out.println("\n=======================\t");  
      s4=br.readLine();  
      System.out.println("\nThe entered new string is : \t\t "+s4);  
      StringBuffer sb1=new StringBuffer(s4);  
      s5=sb1.append(s3).toString();  
      System.out.println("\nThe appended string is : \t\t "+s5);  
   
   }  
      }  
  }