INeuron assignment -3

Questions:-

1. WAP to reverse a String.

Input: “iNeuron”

Output: “norueNi”

2. WAP to reverse a sentence while preserving the position.

Input : “Think Twice”

Output : “kniht eciwt”

3. WAP to check if the String is Anagram or not.

4. WAP to check if the String is a Pangram or not.

5. WAP to print repeatedly occurring characters in the given String.

6. WAP to sort a String Alphabetically.

7. WAP to count the number of Vowels and Consonants of a String value.

8. WAP to count number of special characters.

Answers:-

1) **public** **class** Launchthreeone {

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

// **TODO** Auto-generated method stub

String s="iNeuron";

String a="";

**for**(**int** j=s.length()-1;j>=0;j--)

{

a=a+s.charAt(j);

}

System.***out***.println(a);

}

}

Output:-



2) **public** **class** Launchthreetwo {

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

// **TODO** Auto-generated method stub

// think twice-> kniht eciwt

String s="think twice";

String sp[]=s.split(" ");

**for**(**int** i=0;i<sp.length;i++)

{

**for**(**int** j=sp[i].length()-1; j>=0;j--)

{

System.***out***.print(sp[i].charAt(j));

}

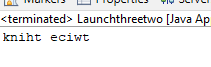
System.***out***.print(" ");

}

}

}

Output:-



3) **import** java.util.\*;

**public** **class** Launchthreethree {

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

// **TODO** Auto-generated method stub

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

String s1=sc.nextLine();

String s2=sc.nextLine();

**int** l=s1.length();

**int** l2=s2.length();

**char** s11[]= **new** **char**[l];

**char** s22[]= **new** **char**[l2];

String c22="";

String c11="";

//char m1=s1.charAt(0);

//char m2=s2.charAt(0);

**for**(**int** i=0;i<s1.length();i++)

{

s11[i]=s1.charAt(i);

}

**for**(**int** i=0;i<s2.length();i++)

{

s22[i]=s2.charAt(i);

}

**char** temp;

**int** index=0;

**for**(**int** i=0;i<s11.length;i++)

{

**for**(**int** j=i+1;j<s11.length;j++)

{

**if**(s11[i]>s11[j])

{

temp=s11[i];

s11[i]=s11[j];

s11[j]=temp;

}

}

}

**for**(**int** i=0;i<s22.length;i++)

{

**for**(**int** j=i+1;j<s22.length;j++)

{

**if**(s22[i]>s22[j])

{

temp=s22[i];

s22[i]=s22[j];

s22[j]=temp;

}

}

}

**for**(**int** i=0;i<s22.length;i++)

{

c22=c22+s22[i];

}

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

**for**(**int** i=0;i<s11.length;i++)

{

c11=c11+s11[i];

}

**if**(c11.equals(c22))

{

System.***out***.println("both s1 and s2 are anagrams ");

}

**else**

{

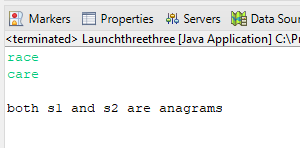
System.***out***.println("the entered strings are not anagrams ");

}

}

}

Output:-



4) **import** java.util.\*;

**public** **class** Launchthreefour {

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

// **TODO** Auto-generated method stub

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

System.***out***.print("Enter the string: ");

String str = sc.nextLine();

**int** n=str.length();

**int** freq[] = **new** **int**[26];

**for**(**int** i=0;i<26;i++)

{

freq[i]=0;

}

**for**(**int** i=0;i<n;i++)

{

**if**(str.charAt(i)!=' ')

{

freq[str.charAt(i)-'a']++;

} //end of if

} //end of for loop

**int** temp=0;

**for**(**int** i=0;i<26;i++)

{

**if**(freq[i]==0)

{

temp=1;

**break**;

}

}

**if**(temp==1)

{

System.***out***.println("The string is not a pangram string.");

}

**else**

{

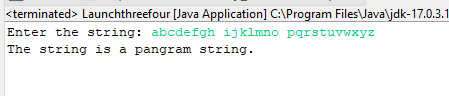
System.***out***.println("The string is a pangram string.");

}

}

}

Output:-



5)

**import** java.util.\*;

**public** **class** Launchthreefive {

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

// **TODO** Auto-generated method stub

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

String str=sc.nextLine();

**char** stra[] = **new** **char**[str.length()];

String stru="";

**int** flag=0;

**int** inc=0;

**for**(**int** i=0;i<str.length();i++)

{

stra[i]=str.charAt(i);

}

**for**(**int** i =0;i<stra.length;i++)

{

**for**(**int** j=i+1;j<stra.length;j++)

{

**if**(stra[i]==stra[j])

{

flag=1;

System.***out***.println(stra[i]+" "+" it is a repeatedly occured character in the given string ");

stra[j]=(**char**)inc;

inc++;

**break**;

}

}

}

**if**(flag==0)

{

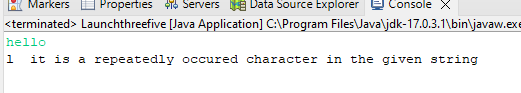
System.***out***.println("there is no character repeated in the given string ");

}

}

}

Output:-



6) **import** java.util.Scanner;

**public** **class** Launchthreesix {

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

// **TODO** Auto-generated method stub

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

String s1=sc.nextLine();

**int** l=s1.length();

**char** s11[]= **new** **char**[l];

String c11="";

**for**(**int** i=0;i<s1.length();i++)

{

s11[i]=s1.charAt(i);

}

**char** temp;

**int** index=0;

**for**(**int** i=0;i<s11.length;i++)

{

**for**(**int** j=i+1;j<s11.length;j++)

{

**if**(s11[i]>s11[j])

{

temp=s11[i];

s11[i]=s11[j];

s11[j]=temp;

}

}

}

**for**(**int** i=0;i<s11.length;i++)

{

c11=c11+s11[i];

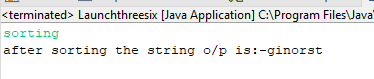
}

System.***out***.println("after sorting the string o/p is:-" + c11);

}

}

Output:-



7) **import** java.util.\*;

**public** **class** Launchthreeseven {

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

// **TODO** Auto-generated method stub

**int** vCount = 0, cCount = 0;

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

String str = sc.nextLine();

str = str.toLowerCase();

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

**if**(str.charAt(i) == 'a' || str.charAt(i) == 'e' || str.charAt(i) == 'i' || str.charAt(i) == 'o' || str.charAt(i) == 'u') {

vCount++;

}

**else** **if**(str.charAt(i) >= 'a' && str.charAt(i)<='z') {

cCount++;

}

}

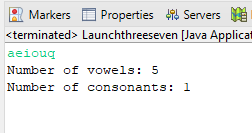
System.***out***.println("Number of vowels: " + vCount);

System.***out***.println("Number of consonants: " + cCount);

}

}

Output:-



8) **import** java.util.\*;

**public** **class** Launchthreeeight {

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

// **TODO** Auto-generated method stub

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

String str= sc.nextLine();

**int** a=0,d=0,splc=0;

**for**(**int** i = 0; i < str.length(); i++)

{

**char** ch = str.charAt(i);

**if**(ch >= 'a' && ch <= 'z' || ch >= 'A' && ch <= 'Z' ) {

a++;

}

**else** **if**(ch >= '0' && ch <= '9') {

d++;

}

**else** {

splc++;

}

}

System.***out***.println("Number of Special Characters = " + splc);

}

}

Output:-

