Todays task: 1) Write a program to take input as String sentence and sort the sentence in sorting order according to thier highest consonant count, is same count occurs print in order in which they have appeared. Eg. I love lendi college. Then: college lendi love I

**package sample.practice;**

**import java.util.Scanner;**

**import java.util.Stack;**

**import java.util.TreeMap;**

**public class ConsanantCount {**

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

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

**System.out.println("Enter the sentence:");**

**String s=in.nextLine();**

**TreeMap<Integer, StringBuffer> tm = new TreeMap<Integer, StringBuffer>();**

**for(String st:s.split(" "))**

**{**

**int count=0;**

**for(char ch:st.toCharArray())**

**{**

**if(!(ch=='a'||ch=='e'||ch=='i'||ch=='o'||ch=='u'||ch=='A'||ch=='E'||ch=='I'||ch=='O'||ch=='U'))**

**count++;**

**}**

**StringBuffer sb = new StringBuffer();**

**if(tm.containsKey(count))**

**{**

**sb=tm.get(count);**

**sb.append(st+" ");**

**tm.put(count,sb);**

**}**

**else**

**{**

**sb.append(st+" ");**

**tm.put(count, sb);**

**}**

**}**

**Stack<StringBuffer> st= new Stack<StringBuffer>();**

**st.addAll(tm.values());**

**while(!st.isEmpty())**

**System.out.print(st.pop());**

**}**

**}**

2) Write a program to take input as array of numbers of +ve,-ve and including zeroes, and arrange numbers in a order in which the frequency count of +ves,-ves and zeroes. Eg. [ -2, 12, -34, 0, 11, 24, 0, -65, -1, 14, 0, 18, 25] then, the order is: 12, 11, 24, 14, 18, 25, -2, -34, -65, -1, 0, 0, 0

**package sample.practice;**

**import java.util.ArrayList;**

**import java.util.Scanner;**

**public class ArrangeNumbers {**

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

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

**System.out.println("Enter the size:");**

**int n=in.nextInt();**

**int a[] = new int[n];**

**System.out.println("Enter the elements:");**

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

**a[i]=in.nextInt();**

**ArrayList<Integer> positiveList= new ArrayList<Integer>();**

**ArrayList<Integer> negativeList=new ArrayList<Integer>();**

**ArrayList<Integer> zerosList=new ArrayList<Integer>();**

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

**{**

**if(a[i]>0)**

**positiveList.add(a[i]);**

**else if(a[i]<0)**

**negativeList.add(a[i]);**

**else**

**zerosList.add(a[i]);**

**}**

**ArrayList<Integer> combinedList=new ArrayList<Integer>();**

**combinedList.addAll(positiveList);combinedList.addAll(negativeList);**

**combinedList.addAll(zerosList);**

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

**}**

**}**

3) Write a program to take input as number and check the number is a Strong number or not. Eg. 145= 1!+4!+5!= 145.

**package** sample.practice;

**import** java.util.Scanner;

**public** **class** StrongNumber {

**public** **static** **boolean** getStrongNumber(**int** n)

{

**int** sum=0,temp=n;

**while**(temp!=0)

{

sum+=*getFactorial*(temp%10);

temp/=10;

}

**if**(n==sum)

**return** **true**;

**else**

**return** **false**;

}

**public** **static** **int** getFactorial(**int** temp)

{

**int** fact=1;

**for**(**int** i=1;i<=temp;i++)

{

fact=fact\*i;

}

**return** fact;

}

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

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

System.***out***.println("Enter the number:");

**int** n=in.nextInt();

**if**(*getStrongNumber*(n))

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

**else**

System.***out***.println("Not Strong Number");

}

}