LAB-3

public class StrinTokenizer {

public static void main(String[] args) {

// TODO Auto-generated method stub

String str="1 2 3 4 5";

StringTokenizer st=new StringTokenizer(str," ");

int sum=0;

while(st.hasMoreElements())

{

int number=Integer.parseInt(st.nextToken());

sum=sum+number;

}

System.out.println(sum);

}

public class MirrorStrings {

public static void main(String[] args) {

// TODO Auto-generated method stub

String string="EARTH";

MirrorStrings image=new MirrorStrings();

System.out.println(image.getImage(string));

}

public String getImage(String string)

{

String returntype="";

StringBuffer sb=new StringBuffer(string);

returntype=string+"|"+(sb.reverse().toString());

return returntype;

}

}

public class ReplaceConso {

public static void main(String args[])

{

String str="JAVA";

ReplaceConso replace=new ReplaceConso();

System.out.println(replace.alterString(str));

}

public String alterString(String str)

{

String alter="";

char[] altering=str.toCharArray();

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

{

if(altering[i]!='A'&&altering[i]!='O'&&altering[i]!='I'&&altering[i]!='E'&&altering[i]!='U')

{

altering[i]=(char)(altering[i]+1);

}

}

alter=String.valueOf(altering);

return alter;

}

}

public class Modifyanumber {

public static void main(String args[])

{

int num=45862;

Modifyanumber number=new Modifyanumber();

System.out.println(number.modifyNumber(num));

}

public int modifyNumber(int num)

{

String str=Integer.toString(num);

StringBuffer sb=new StringBuffer();

for(int i=0;i<str.length()-1;i++)

{

sb.append(Math.abs((int)str.charAt(i)-(int)str.charAt(i+1)));

}

sb.append(Math.abs((int)str.charAt(str.length()-1)-(int)str.charAt(0)));

//String returnType=sb.toString();

//int numberTobe= Integer.parseInt(sb.toString());

return Integer.parseInt(sb.toString());

}

}

import java.text.SimpleDateFormat;

import java.time.LocalDate;

import java.time.Period;

import java.time.format.DateTimeFormatter;

import java.util.Date;

public class DateAndDay {

public static void main(String args[]) throws ParseException

{

LocalDate date=LocalDate.now();

//System.out.println(date.getDayOfMonth());

//System.out.println(date.getMonth());

//System.out.println(date.getYear());

LocalDate date1=LocalDate.of(1998,11,12);

Period p1=Period.between(date1,date);

System.out.println(p1);

// DateTimeFormatter formatter=DateTimeFormatter.ofPattern("dd MMMM yyyy");

//String str=formatter.format(date);

//System.out.println(str);

}

}

public static void main(String args[])

{

String arr="A paragraph is a group of words put together to form a "

+ "group that is usually longer than a sentence. "

+ "Paragraphs are often made up of several sentences. "

+ "There are usually between three and eight sentences. ";

int count=0,characters=0;

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

{

if(arr.charAt(i)==' ')

{

count++;

}

else

{

characters++;

}

}

System.out.println(count+" "+characters);

}

}

public class PositiveString {

public static void main(String args[])

{

String pos="BAT";

PositiveString positive=new PositiveString();

if(positive.findPositive(pos))

{

System.out.println("The Entered String is Positive");

}

else

{

System.out.println("not positive");

}

}

public boolean findPositive(String pos)

{

for(int i=pos.length()-1;i>0;i--)

{

if(!((pos.charAt(i)-pos.charAt(i-1))>=0))

{

return false;

}

}

return true;

}

}