/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \*File Name: Assign5quesno1  
 \*Purpose: loop program to compute the sum of different numbers.   
 \*Programmer: Sagun Pandey  
 \*Last Updated Date: 04/14/2016  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  
import java.util.Scanner;  
  
public class Assign5quesno1  
{  
 public static void main(String[] args)  
 {  
 int total = 0;   
 int num;  
 for( num = 0; num<=100; num+=2)  
 {  
 total += num;  
   
 }  
 System.out.println("The sum of all even numbers between 2 and 100 is "+total+".");  
 System.out.println();  
   
   
   
   
 total = 0;   
 for( num = 1; num<=100; num++)  
 {  
 total += Math.pow(num,2);  
 }   
 System.out.println("The sum of all squares between 1 and 100 is "+total+".");  
 System.out.println();  
   
   
   
   
 total = 0;   
 for( num = 0; num<=20; num++)  
 {  
 total = (int)Math.pow(2,num);  
   
   
 System.out.println(" 2^"+num+"= "+total);  
   
   
 }   
   
   
   
 total = 0;   
 for( num = 1; num<=100; num+=2)  
 {  
 total += num;  
   
 }  
 System.out.println();  
 System.out.println("The sum of all odd numbers between 2 and 100 is "+total+".");  
   
 }  
   
}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 \*File Name: Assign5quesno2  
 \*Purpose: to read twelve temperature values (one for each month) and display the highest   
 temperature and the number of the month with the highest temperature.   
 \*Programmer: Sagun Pandey  
 \*Last Updated Date: 04/14/2016  
 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  
 import java.util.Scanner;  
  
public class Assign5quesno2  
{  
 public static void main(String[] args)  
 {  
 Scanner keyboard = new Scanner(System.in);  
   
   
 double temp=0;  
 double curMax = temp;  
 int hmonth=0;  
 int month;  
 for( month=1;month<=12;month++)  
 {  
 System.out.println("Enter a "+month+"'s month temperature Value in degree Celsius:");  
 temp=keyboard.nextDouble();  
   
 if(temp>curMax)  
 curMax = temp;  
 if(curMax==temp)  
 hmonth=month;   
   
   
 }  
   
   
   
   
   
 System.out.println("The highest temperature is "+ curMax+" degrees Celsius of the "+hmonth+"'s Month. ");  
   
   
 }  
   
   
   
}