Ex 7.

a)

FOR

import java.util.Scanner ;

public class ProblemaSapte

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt() ;

int s = 0 ;

int p = 1 ;

for (int i = 1 ; i<=n ; i++){

s=s+(2\*i-1);

p=p\*(2\*i-1);

}

System.out.println("suma="+s+" "+"produs="+p);

}

}

WHILE

import java.util.Scanner ;

public class Main

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt();

int s = 0;

int p = 1;

int i = 1;

while (i <= n) {

s = s + (2\*i-1);

p = p \* (2\*i-1);

i++;

}

System.out.println("suma="+ s +" "+"produs="+ p);

}

}

b)

FOR

import java.util.Scanner ;

public class ProblemaSapte

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt() ;

int s = 0 ;

int p = 1 ;

for (int i = 1 ; i<=n ; i++){

s=s+(2\*i);

p=p\*(2\*i);

}

System.out.println("suma="+s+" "+"produs="+p);

}

}

WHILE

import java.util.Scanner ;

public class Main

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt();

int s = 0;

int p = 1;

int i = 1;

while (i <= n) {

s = s + (2\*i);

p = p \* (2\*i);

i++;

}

System.out.println("suma="+ s +" "+"produs="+ p);

}

}

c)

FOR

import java.util.Scanner ;

public class ProblemaSapte

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt() ;

int s = 0 ;

int p = 1 ;

for (int i = 1 ; i<=n ; i++){

s=s+(3\*i);

p=p\*(3\*i);

}

System.out.println("suma="+s+" "+"produs="+p);

}

}

WHILE

import java.util.Scanner ;

public class Main

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt();

int s = 0;

int p = 1;

int i = 1;

while (i <= n) {

s = s + (3\*i);

p = p \* (3\*i);

i++;

}

System.out.println("suma="+ s +" "+"produs="+ p);

}

}

d)  
FOR

import java.util.Scanner ;

public class ProblemaSapte

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt() ;

int s = 0 ;

int p = 1 ;

for (int i = 1 ; i<=n ; i++){

s=s+(4\*i);

p=p\*(4\*i);

}

System.out.println("suma="+s+" "+"produs="+p);

}

}

WHILE

import java.util.Scanner ;

public class Main

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt();

int s = 0;

int p = 1;

int i = 1;

while (i <= n) {

s = s + (4\*i);

p = p \* (4\*i);

i++;

}

System.out.println("suma="+ s +" "+"produs="+ p);

}

}

Ex8.

import java.util.Scanner ;

public class Main

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt();

double s = 0 ;

for(int i = 1 ; i <= n ; i++) {

if(i%2==0) {

s = s - (1d/i);

}

else {

s = s + (1d/i);

}

}

System.out.println("suma="+ s );

}

}

Ex de pe fisa.

import java.util.Scanner ;

public class Main

{

public static void main(String[] args) {

Scanner numere = new Scanner (System.in) ;

int n = numere.nextInt();

double s = 0 ;

double p = 1 ;

int i = 1 ;

while ( i <= n) {

s = s + i/(i+1d);

p = p \* i/(i+1d);

i++;

}

System.out.println("suma=" + s + "produsul=" + p);

}

}