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#include <iostream>

#include <sstream>

#include <locale.h>

using namespace std;

int main4() {

setlocale(LC\_ALL, "");

//VARIABLES

stringstream secuencia;

int n, aux1 = 1, aux2 = 1, aux0;

//LECTURA DE DATOS

cout << "Introducir cantidad de términos: ";

cin >> n;

//PROCESO

secuencia << 1 << endl << 1 << endl;

if (n > 2) {

for (int i = 3; i < n + 1; i++) {

secuencia << aux1 + aux2 << endl;

aux0 = aux1;

aux1 = aux2;

aux2 = aux0 + aux2;

}

}

//REPORTE

cout << secuencia.str();

return 0;

}

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#include <iostream>

#include <locale.h>

#include <vector>

using namespace std;

int main() {

setlocale(LC\_ALL, "");

//variables

int n, suma = 2;

vector<int> v;

//lectura de datos

cout << "Introducir cantidad de términos: ";

cin >> n;

//proceso

v.push\_back(1);

v.push\_back(1);

switch (n) {

case 1: {

suma = 1;

break;

}

case 2: {

break;

}

default: {

for (int i = 2; i < n; i++) {

v.push\_back(v.at(i - 2) + v.at(i - 1));

suma = suma + v.at(i);

}

}

}

//reporte

cout << "Suma: " << suma;

return 0;

}

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#include <iostream>

#include <locale.h>

using namespace std;

int main6() {

setlocale(LC\_ALL, "");

//variables

int n, aux1 = 1, num = 1, aux;

//lectura de datos

cout << "Introducir ordinal del término: ";

cin >> n;

//proceso

if (not (n==1 or n==2)) {

for (int i = 3; i <= n; i++) {

aux = num;

num = num + aux1;

aux1 = aux;

}

}

//reporte

cout << num;

return 0;

}

#include <iostream>

#include <sstream>

using namespace std;

int main() {

// Variables

int n, n3, n4, aux1, aux2, temp, suma;

stringstream serie;

// Lectura

cout << "EJERCICIO 5 \n";

cout << "Ingrese el valor de n: "; cin >> n;

// Proceso

if(n==1){

suma=1;

serie << 1;

}

if(n==2){

suma=1+1;

serie << 1 << "," << 1;

}

if(n>=3){

suma=1+1+2;

serie << 1 << "," << 1 << "," << 2;

}

n3 = 2;

aux1 = 0;

aux2 = 1;

for(int i=4; i<=n; i++){

// Elemento 4

n4 = n3 + aux1 + aux2;

serie << "," << n4;

suma += n4;

// Proximo elemento

temp = aux1 + aux2;

aux1 = aux2;

aux2 = temp;

n3 = n4;

}

// Reporte

cout << "La serie Fibonacci: " << serie.str() << "\n";

cout << "La suma: " << suma;

return 0;

}