Phan I

Bai 1(nhap, xuat)

#include <iostream>

#include <conio.h>

#include <stdio.h>

#define MAXROW 100

#define MAXCOL 100

using namespace std;

void NhapM2C(int a[][MAXCOL], int &m, int &n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n;j++){

cout << "Nhap phan tu thu dong " << i << " cot " << j;

cin >> a[i][j];

}

}

}

void XuatM2C(int a[][MAXCOL], int m, int n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++)

cout << a[i][j] << " ";

cout << endl;

}

}

int main()

{

int a[MAXROW][MAXCOL];

int m, n;

cout << "Nhap so dong cua ma tran: ";

cin >> m;

cout << "Nhap so cot cua ma tran: ";

cin >> n;

NhapM2C(a, m, n);

XuatM2C(a, m, n);

return 0;

}

Bai 2(chan le)

#include <iostream>

#include <conio.h>

#include <stdio.h>

#define MAXROW 100

#define MAXCOL 100

using namespace std;

void NhapM2C(int a[][MAXCOL], int &m, int &n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n;j++){

cout << "Nhap phan tu thu dong " << i << " cot " << j;

cin >> a[i][j];

}

}

}

void XuatSC(int a[][MAXCOL], int m, int n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

if (a[i][j] % 2 == 0) {

cout <<"So chan la:" << a[i][j] <<endl;

}

}

}

}

void XuatSL(int a[][MAXCOL], int m, int n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

if (a[i][j] % 2 != 0) {

cout << "So le la:" << a[i][j] <<endl;

}

}

}

}

int main()

{

int a[MAXROW][MAXCOL];

int m, n;

cout << "Nhap so dong cua ma tran: ";

cin >> m;

cout << "Nhap so cot cua ma tran: ";

cin >> n;

NhapM2C(a, m, n);

XuatSC(a, m, n);

XuatSL(a, m, n);

return 0;

}

Bai3(tong cac phan tu mang)

#include <iostream>

#include <conio.h>

#include <stdio.h>

#define MAXROW 100

#define MAXCOL 100

using namespace std;

void NhapM2C(int a[][MAXCOL], int& m, int& n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

cout << "Nhap phan tu thu dong " << i << " cot " << j;

cin >> a[i][j];

}

}

}

void TongPTM(int a[][MAXCOL], int m, int n)

{

int s = 0;

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

s = s + a[i][j];

}

}

cout <<"Tong cac phan tu mang la: "<<s<<endl;

}

int main()

{

int a[MAXROW][MAXCOL];

int m, n;

cout << "Nhap so dong cua ma tran: ";

cin >> m;

cout << "Nhap so cot cua ma tran: ";

cin >> n;

NhapM2C(a, m, n);

TongPTM(a, m, n);

return 0;

}

Bai 4(so chinh phuong)

#include <iostream>

#include <conio.h>

#include <stdio.h>

#define MAXROW 100

#define MAXCOL 100

using namespace std;

void NhapM2C(int a[][MAXCOL], int& m, int& n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

cout << "Nhap phan tu thu dong " << i << " cot " << j;

cin >> a[i][j];

}

}

}

void SoCP(int a[][MAXCOL], int m, int n)

{

int s = 0;

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

int x = 0;

while (x \* x <= a[i][j]) {

if (x \* x == a[i][j]) {

cout << a[i][j] << " la so chinh phuong" << endl;

}

x++;

}

}

}

}

int main()

{

int a[MAXROW][MAXCOL];

int m, n;

cout << "Nhap so dong cua ma tran: ";

cin >> m;

cout << "Nhap so cot cua ma tran: ";

cin >> n;

NhapM2C(a, m, n);

SoCP(a, m, n);

return 0;

}

Bai 6(tong so CP trong mang)

#include <iostream>

#include <conio.h>

#include <stdio.h>

#define MAXROW 100

#define MAXCOL 100

using namespace std;

void NhapM2C(int a[][MAXCOL], int& m, int& n)

{

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

cout << "Nhap phan tu thu dong " << i << " cot " << j;

cin >> a[i][j];

}

}

}

void TongSoCP(int a[][MAXCOL], int m, int n)

{

int s = 0;

for (int i = 0; i < m; i++) {

for (int j = 0; j < n; j++) {

int x = 0;

while (x \* x <= a[i][j]) {

if (x \* x == a[i][j]) {

s = s + a[i][j];

}

x++;

}

}

}

cout << "Tong cac so chinh phuong la: " << s << endl;

}

int main()

{

int a[MAXROW][MAXCOL];

int m, n;

cout << "Nhap so dong cua ma tran: ";

cin >> m;

cout << "Nhap so cot cua ma tran: ";

cin >> n;

NhapM2C(a, m, n);

TongSoCP(a, m, n);

return 0;

}

Bai 5(xuat cac so nguyen to)