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// Nhap mang, tinh tong va tim max, min.

// Vi tri xuat hien cua max va min

#include <iostream>

#include <time.h>

using namespace std;

const int maxr = 10;

const int maxc = 15;

int main ()

{

srand ( time(0));

int a[maxr][maxc] = {0};

int m,n;

do {cout <<" Nhap vao so dong ban can: "; cin >> m; cout << endl;

cout <<" Nhap vao so cot ban can: "; cin >> n; cout << endl;

if ( m <=0 || m > maxr || n <=0 || n > maxc )

cout <<" Nhap sai. Nhap lai\n";

} while ( m <=0 || m > maxr || n <=0 || n > maxc );

// Nhap mang

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

{

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

{

/\*cout <<" Nhap phan tu a[" << i <<"][" << j <<"]: ";

cin >> a[i][j];\*/ a[i][j] = 1 + rand() % ( 10 - 1 + 1); // tu 1 - 10

}

cout << endl;

}

// Xuat mang

cout <<" Mang da lu la: \n";

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

{

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

{

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

}

cout << endl;

}

// Tinh tong cac gia tri trong mang

int Tong = 0;

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

{

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

{

Tong += a[i][j];

}

}

cout <<" Tong cac gia tri trong mang la: "<< Tong << endl;

// Tim GTLN, GTNN

int max = a[0][0];

int min = a[0][0];

int hangmax, cotmax;

int hangmin, cotmin;

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

{

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

{

if ( max < a[i][j])

{

max = a[i][j];

hangmax = i; cotmax = j;

}

if ( min > a[i][j])

{

min = a[i][j];

hangmin = i; cotmin = j;

}

}

}

cout <<" GTLN trong mang la: " << max << " tai vi tri a[" << hangmax <<"][" << cotmax <<"]"<< endl;

cout <<" GTNN trong mang la: " << min << " tai vi tri a[" << hangmin <<"][" << cotmin <<"]" << endl;

system ("pause");

return 0;

}