Задание 2

#include<iostream>

using namespace std;

const int n = 4;

const int m = 5;

template <typename T>

double Average(const T arr[], int count) {

double sum = 0;

double av;

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

sum += arr[i];

av = sum / count;

return av;

}

void main()

{

int Iarr[n] = { 1,5,2,7 };

double Darr[m] = { 11.2,5.3,23.7,7.8,1.3 };

cout << "Average of integer numbers: " << Average(Iarr, n) << endl;

cout << "Average of double numbers: " << Average(Darr, m) << endl;

cin.get();

cin.get();

}

**Задание 1**

#include <iostream>

using namespace std;

template <typename T>

void swa(T &x, T &y)

{

T tmp = x;

x = y;

y = tmp;

cout << "x=" << x<<endl;

cout << "y=" << y << endl;

}

int main()

{

int i = 10, j = 20;

double x = 10.1, y = 20.2;

char c = 'x', d = 'z';

swa(i, j);

swa(x, y);

swa(c, d);

cin.get();

return 0;

}

**ЗАДАНИЕ 3**

#include<iostream>

using namespace std;

const int a = 2;

const int b = 3;

template <typename T>

void swa(T &x, int y)

{

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

{

if (i == y)

{

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

{

if (x[y][j]>x[y][0])

x[y][0] = x[y][j];

}

}

}

cout << x[y][0];

}

void main()

{

int A[a][b];

int y;

double B[a][b];

cout << "Enter A - ";

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

{

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

cin >> A[i][j];

}

cout << "Enter B - ";

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

{

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

cin >> B[i][j];

}

cout << "Enter i - ";

cin >> y;

swa(A, y-1);

cout << endl;

swa(B, y-1);

cin.get();

cin.get();

}