// Example program

#include <iostream>

#include <string>

using namespace std;

void pointerArithmetic(int \*array, int size, double &average, int &high, int &low)

{

high = \*(array);

low = \*(array);

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

{

if(\*(array+i) > high)

{

high = \*(array+i);

}

if(\*(array+i) < low)

{

low = \*(array+i);

}

average += \*(array+i);

}

average = average / size;

}

int main()

{

int arr[] = {2, 3, 4, 1};

int\* p;

double average = 0.0;

int high, low = 0;

p = arr;

int size = 4;

pointerArithmetic(p, size, average, high, low);

cout << "Average: " << average << endl;

cout << "High: " << high << endl;

cout << "Low: " << low << endl;

}