#include <iostream>

#include <omp.h>

using namespace std;

int main() {

int arr[] = {5, 3, 8, 6, 7, 2};

int n = sizeof(arr) / sizeof(arr[0]);

int min\_val = arr[0];

int max\_val = arr[0];

int sum = 0;

#pragma omp parallel for reduction(min:min\_val) reduction(max:max\_val) reduction(+:sum)

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

if (arr[i] <min\_val) {

min\_val = arr[i];

}

if (arr[i] >max\_val) {

max\_val = arr[i];

}

sum += arr[i];

}

double average = (double) sum / n;

cout<< "Minimum: " <<min\_val<<endl;

cout<< "Maximum: " <<max\_val<<endl;

cout<< "Sum: " << sum <<endl;

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

return 0;

}