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Hpc 3 min max alg
#include <iostream>
#include <vector>
#include <omp.h>
#include <climits>
using namespace std;
void min max sum avg reduction(vector<int>& arr) {
  int min value = INT MAX;
  int max_value = INT MIN;
  int sum = 0;
  #pragma omp parallel for reduction(min: min_value) reduction(max: max_value)
reduction(+: sum)
  for (int i = 0; i < arr.size(); i++) {
    if (arr[i] < min value) {</pre>
       min value = arr[i];
    if (arr[i] > max value) {
       max value = arr[i];
    }
    sum += arr[i];
  }
  double average = (double)sum / arr.size();
 cout << "Minimum value: " << min_value << endl;</pre>
  cout << "Maximum value: " << max value << endl;
  cout << "Sum: " << sum << endl;
  cout << "Average: " << average << endl;</pre>
int main() {
  vector<int> arr = \{5, 2, 9, 1, 7, 6, 8, 3, 4\};
  min max sum avg reduction(arr);
  return 0;
[10:58 PM, 4/23/2024] .:
```