Implement Sum and Average operations using Parallel Reduction.

```
#include <iostream>
#include <vector>
#include <omp.h>

double parallelSum(const std::vector<double>& arr) {
   double sum = 0.0;

   #pragma omp parallel for reduction(+: sum)
   for (int i = 0; i < arr.size(); ++i) {
      sum += arr[i];
   }

   return sum;
}

double parallelAverage(const std::vector<double>& arr) {
   double sum = parallelSum(arr);
   return sum / arr.size();
}

int main() {
   std::vector<double> arr = {9.0, 4.0, 2.0, 7.0, 5.0, 1.0, 8.0, 3.0, 6.0};

   double sum = parallelSum(arr);
   double average = parallelAverage(arr);

   std::cout << "Sum: " << sum << std::endl;
   std::cout << "Average: " << average << std::endl;

   return 0;
}
```