New Parallel Algorithms Continued Exercises

std::transform

- Briefly describe the std::transform function and write a program to demonstrate its use

- Write another program which demonstrates an alternative way to use it

std:: inner_product

- Briefly describe the std::inner_product function and write a program to demonstrate its use

std::transform_reduce

- Briefly describe the std::transform_reduce function and write a program to demonstrate its use

- Why is transform_reduce particularly useful in parallel programming?

- What are the advantages of using a single transform_reduce function over calling std::transform and std::reduce separately?