**Student Name**: - ATHARVA DESHPANDE

**Student Email**: -deshpana@oregonstate.edu

**Project No**: - Project#0

**Project Name**: - SIMPLE OPENMP EXPERIMENT

1. I ran Project0 on OSU flip1 server on Windows 11 operating system laptop.
2. For 1 threads, Peak Performance = 171.58 MegaMults/Sec

For 4 threads, Peak Performance = 580.48 MegaMults/Sec

1. 1-thread-to-4-thread speedup = 3.38
2. Ideally, 1-thread-to-4-thread speedup should be equal to 4. But the total speedup would be less than 4 due to performance overhead. It would depend on how much code could be parallelized.
3. Parallel Fraction, Fp = 0.94