## 1. Tell what machine you ran this on

This experiment was conducted on a Lenovo G50 Laptop. Below are the product specifications

OS: Windows 10 home

Processor: Intel Core i3 – 4030U CPU @ 1.90 GHz

Installed RAM: 4 GB

System type: 64 bit operating system

In addition, I ran the program in Visual Studio 2017

# 2. What performance results did you get?

	1	4	
	Thread	thread	
Peak Performance	308.53	272.23	MegaMults/Sec
average			
performance	265.73	176.35	MegaMults/Sec

#### 3. What was your 4-thread-to-one-thread speedup?

Peak performance S=	1.133343
average performance S=	1.506833

# 4. Why do you think it is behaving this way?

I think these results are based on the processor in the operating system, as well as the additional applications running and Visual Studio. While the laptop isn't that old, I do think the age and processing speed will have an impact on the peak and average performance. I also had Google Chrome, and an anti-virus scan running in the background. Finally, I've noticed a slight slowdown in performance after installing VS on this laptop

## 5. What was your Parallel Fraction, Fp?

Peak performance S=	0.156873
average performance S=	0.448475