**Concurrency in Go Assigment #1**

Moore’s Law is the observation that the density of transistors that are present on a microprocessor doubles every two years or so. This results in a “doubling” in microprocessor power (that is, we can increase the clock rate which results in more instructions being executed). Moore’s Law is no longer applicable for the following reasons:

* If we continue doubling the number of transistors, there will be excess power consumption that increase the temperature present on the CPU resulting in complete destruction of the chip.
* We could reduce the overall power consumption by reducing the voltage range used for transistor switching but then our CPUs would be more susceptible to electromagnetic interference.
* We can programmatically make computers faster by adopting a concurrent or parallel programing paradigm.