Module 3 Notes

Analysis of Algorithms

* Scientific basis to understand the deployment of algorithms
* Important in understanding the algorithms from diff perspectives
  + Programmer = creating the algo
  + Client = use the program to complete a task
  + Theoretician = wants to understand what is going on
  + Team = basic blocking and tackling to understand the solution
  + Student sometimes plays all roles
* Running time – Charles Babbage
  + Created the analytic engine
  + “As soon as a analytic engine exists, it will necessarily guide the future course of science. Whenever any result is sought by its aid the question will arise – By what course of calculation can these results be arrived at by the machine in the shortest time”