

Assignment # 1:

- Q1: Read all text till last word at least twice
- Q2: Write all algorithms you have studied so far and completely perform all analysis on them as practiced in the class. Include selection sort and bubble sort too.
For every algorithm you must have following headings
- i) Input
 - ii) Output
 - iii) Basic Idea
 - iv) Algorithm
 - v) Complete Analysis of all kinds
- Q3: Take 10 elements of your choice and run all algorithms you have studied so far

Assignment # 2:

- Q4: Exercise 1.1-1, 1.1-6, 1.2-2
- Q5: Exercise 2.1-2, 2.1-5, 2.2-2, 2.3-7, 2-4
- Q6: Take all possible expressions of the form $f(n) = _?(g(n))$ and prove them min 7 examples to cover all possible scenario.
- Q7: Problem 3-4 (a,c,e,g,h), 3.6
- Q8: Write Two complex Dummy recursive functions of your choice, convert them to Recurrence equations and then calculate their time complexity (remember no credit for similar, or attempted or simple algorithms)