Overview of Week 7: Decrease-and-Conquer Algorithms

Read these sections from the textbook: 2.1 - 2.2, 12.1 - 12.3, 22.1 - 22.4

Decrease-and-Conquer Algorithms
Decrease by a constant
A. Insertion sort
B. Topological sort
Decrease by a constant factor
C. Binary search
D. Fake coin detection
E. Russian peasants' multiplication
Decrease by a variable amount
F. Euclidean Greatest Common Divisor
G. Lomuto partition
H. K'th order statistic

Discussion board
Quiz
Worksheet
Python Coding Assignment