## CS 302 Introduction to Data Structures

University of Nevada, Las Vegas Spring 18

Assignment 2
Due: Saturday, February 3, 2018, by email

- 1. (a) Work out exercise 1.8 (a) and (b).
  - (b) Work out exercise 1.12.
- 2. Work out the Big-Oh running times for the code segments (3) (5) of 2.7. Use summations to show your result.
- Hint on Friday
- 3. Order the Big-Oh growth rates of exercise 2.1. Use L'Hospital's Rule to compare the Big-Oh functions.
  - 4. Work out exercise 2.11.
    - 5. Work out exercise 2.14 (c)
    - 6. Give the order of the following module as a function of n.

7. Answer 2.25 (a) and (b).

How to submit. Create one PDF file with your solutions. Email this file as an attachment to the TA, Mr. Kaushik Deshmukh, deshmkl@unlv.nevada.edu. Subject of your email must be "Assignment 2", <your name>, <your student ID number>.