

# CS3305-03 Homework #1

Due: 01/23/2020 at 11:59pm

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## Instructions:

1. ALL programs must be coded in C++ using Object Oriented Programming style.
2. Submit ALL the programming questions as CODELITE project folder. ALL programs must be executed and tested for valid outputs before submission.
3. Provide necessary indentation in the code for readability.
4. Use constructors to initialize member variables in the programs.
5. Provide comments to briefly explain the purpose of the program and the function in it. Please include your name, class and assignment number in the comments at the start of the program.
6. Submit your assignment as ZIP file (including CODELITE project folder) through D2L using the appropriate assignment link.
7. All assignment problems are from the required text for CS3305. Kindly refer syllabus.

## Objective:

The goal of homework #1 is to reinforce the beginning C++ concepts and efficiency of algorithms concepts, and to reinforce the implementation of Object Oriented concepts in C++.

## Assignment Problems:

Self-Test Exercises for Section 1.1(page - 15 in text)

1. Problem 5 (10 points)
2. Problem 8 (10 points)

Self-Test Exercises for Section 1.2 (page -26 in text)

3. Problem 11 (a-e →1 point each)(f, g(write the code segment) → 3 points each)
4. Problem 16 (write the code segment) (9 points)

Self-Test Exercises for Section 2.3 (page – 62 in text)

5. Problem 19 (20 points)

Programming Projects (page – 90 in text)

6. Ex-17 (20 points)
7. Ex-19 (20 points)