

# Object-Oriented Programming

## Lab #04

**Department:**

**Student ID:**

**Name:**

A. Code explanation & output analysis (Write the source code and results)

A-1. Listing 5.11

A-2. Listing 5.12

B. Exercises (Write the questions down on your answer sheet)

(pp. 117-121), Exercises 3, 4, 8, 9, 12, 13, 15, 16, 17, 18

(write output analysis for all exercises)

C. Additional exercises (Write the questions down on your answer sheet)

C-1. If the variable `flag` is true, read the integer variables `a` and `b`, Then calculate and print the sum and average of both inputs.

C-2. Write a program that determines and prints a student's grade. The program will read three types of scores (quiz, mid-term, and final scores) and determine the grade based on the following rules:

- 1) If the average score = 90%, then grade=A
- 2) If the average score >= 70% and <90%, then grade=B
- 3) If the average score >=50% and <70%, then grade=C
- 4) If the average score <50%, then grade=F

C-3. Write a program that defines and prints whether an entered integer is odd or even.