**ICS 108 – Object-Oriented Programming**

**Lab # 2 – Methods**

**Objectives:**

In this lab, the following topic will be covered:

1. Methods

**Task1**

Write the method:

**public** **static** **double** letterGrade2Numberic( **String** grade)

that translates a letter grade into a number grade. Letter grades are

A+, A, B+, B, C+, C, D+, D, and F.

Their numeric values are

4.0, 3.75, 3.5, 3.0, 2.5, 2.0, 1.5, 1.0, and 0.0.

Write a program that finds the GPA of a section. First read the number of students. Then read the letter grades. Use the method defined above

Here is sample run:

How many students?

3

Enter 3 letter grades:

A+

B

A

GPA = 3.58

**Task2**

Write a method that returns a randomly generated letter grade (A+, A, B+, B, C+, C, D+, D, F).

**public** **static** **String** randomLetterGrade()

Write a test program that prints n letter grades.

Here is a sample run (output varies each time you run the program):

How many letter grades?

3

A+

C

A