

CMPE 101 - Intermediate Programming

Assignment-03

Worth 5% of the assignment mark!

Deadline: 09:00 Friday, March 03

In your assignment, explain your code with *comments*. Without *comments*, your assignment will not be marked. All class and method names must be used according to OOP concept.

Question 1

Write a program that replies either **Leap Year** or **Not a Leap Year** , given a year. It is a leap year if the year is divisible by 4 but not by 100 (for example, 1796 is a leap year because it is divisible by 4 but not by 100). A year that is divisible by both 4 and 100 is a leap year if it is also divisible by 400 (for example, 2000 is a leap year, but 1800 is not).

Question 2

Write **for** , **dowhile** , and **while** statements to compute the following sums and products.

- $5 + 10 + 15 + \dots + 100$
- $1 \times 2 \times 3 \times 4 \times \dots \times 50$

Note: you are not allowed to use any IDE tools such Eclipse!.