## **COMP1020 Winter 2024**

## **In Class Participation Week 1 Tuesday**

Q1) Determine which of the following are valid variable names.	
If invalid, explain why.	[1M]
a) list1	
b) \$interest	
c) phone-and-email	
d) SNo.	
e) mobileNumber	
f) country_city	
g) num/30 h) double	
a) 0.47	
b) 3456789234354545465343	
c) 32,822	
d) 84312345	
e) 0011	
f) 4.3E12 +4.3e12	
g) 0.7E-3	
h) 0x000f	

Q3) Determine which of the following are valid string constants.

[1M]

- a) '8:45 A.M.'
- b) "1.4E-12"
- c) "Red light Green light"
- d) "Forks market, 130 123 Main Street, Winnipeg, MB R3C 1A3"
- e) "Weight:
- f) "Never trust anything that can think for itself if you can't see where it keeps its brain!" Arthur Weasley, Harry Potter and the Chamber of Secrets."
- Q4) Write a program to calculate the **area** and **circumference** of a circle with a diameter of 6 (Declare a constant PI as 3.14 and the data type is float).

  Write comments to explain your code.

  [1M]
- Q5) Write a program to **swap** two numbers **without using** a temporary variable.

(Hint: use + and - operators). [1M]

Input: a=5

b=6

Output: a=6

b=5