ICP Lab Assignment 5(A)

- Q1. Write a program to read numbers repeatedly from the keyboard until a negative number is entered, and then calculate the average of all non-negative numbers.
- Q2. Write a program that inputs a positive integer (a) larger than 1 and calculates the sum of the squares from 1 to that integer (for example, if the integer equal to 4, the sum of the squares is 30 (1 + 4 + 9 + 16)). Display on the screen the sum of squares. Use a prompt for inputting data.

Write three separate program to solve this problem using

- (a) a while statement
- (b) a do-while statement
- (c) a for statement
- Q3. Write a program that will read a positive integer and determine and print its binary equivalent.

(Hint: The bits of the binary representation of an integer can be generated by repeatedly dividing the number and the successive quotients by 2 ans saving the remainder, which is either 0 or 1, after each division.)

Q4. Write program to print the following patterns using loops (for, while and do-while).

b. ******* ***** ****

 d.
