**Name:**

**Advanced Programming in C++**

**Lab Exercise 3/15/2023**

**Working with Pointers**

In this exercise, you will write several programs that will allow you to work with pointers. You are to submit your source code as well as sample output.

1. Write a program to do the following:
   * Declares an integer, double and char
   * Create 3 pointer variables for each of the three variables declared above
   * Assign the addresses of these three variables declared above to the 3 pointer variables
   * Assign values to the 3 variables using pointers
   * Print the values stored in the variables using pointers
2. Implement the following structure using pointers:

A

B

C

D

E

F

G

H

J

K

Variables A, B and C are or integer data type. All other variables are pointer variables. Your program should do the following:

* Assign values to A, B, and C using the pointer variables D, J, and H respectively.
* Print out Variable A, B, and C all possible ways (there are 10 of them).
* Print the address of all variables