Lab assignment 3

- Write a program which has a function named **Increment()**, which accepts an integer argument, increments it and returns the updated value. From the main program, pass an integer into this function. In the main program, print the value of the variable before and after calling **Increment().** What do you observe? Can you correlate with what you observed in the previous lab assignment?

  The function should have the following function prototype:

  ```
  int Increment(int);
  ```

- Write a function **Min3()** which returns the minimum of three integers. Use this function to sort four integer variables in ascending order. The sorting should be performed in the main program, which reads the four inputs from the user.

  The function should have the following prototype:

  ```
  int Min3(int, int, int);
  ```

- Write a program to help select qualified candidates for an interview. The input to the program is the qualification of a candidate (bachelors degree or masters degree) and the corresponding CGPA. If bachelors, then the qualifying CGPA is 8.0. If masters, then it is 7.0. The program should use a function named **SelectCandidate().** The details of the candidates are to be accepted in the main program, which also outputs the decision about the selection of each.

  The function should have the following prototype:

  ```
  int SelectCandidate(char qual, float cgpa);
  ```

  The function returns 1 if the candidate is selected and 0 otherwise.

- Write a program to determine the roots of a quadratic equation.