HW12

作業繳交方式：上傳 iLearning3

※本作業只要上傳檔案 Q1.c

1. (100%) Program Q1.c
   Write a C program to read data from a file `data.txt` and print the histogram

   a. File format of `data.txt`: The first row is the number of data items `n` (integer), and the rest are `n` rows of floating point numbers. Assuming that the data is completely correct and no need for error checking.
   b. Allocate an array of size `n` and read data from `data.txt`.
   c. Write a function of the prototype as shown to find the maximum of these `n` values.
      `double FindMaxVal(double *, int );`
   d. Write a function of the prototype as shown to find the minimum these `n` values
      `double FindMinVal(double *, int );`
   e. Call the above function to find the maximum `MaxVal` and minimum `MinVal` of thest n values
   f. Divide the values between `MinVal` and `MaxVal` into 20 intervals.
   g. Calculate the frequency of occurrence of these `n` data in these 20 intervals.
   h. Print numerical range and the histogram. The result will be similar to the following image.
      (the maximum length of `'*'` is about 50)