# Lab Sheet 2

**Lab Tasks:**

A. Create an array of size **N** in the main function and put **N** random integers in that array.
B. Suppose the array is sorted. Take a key value from user. Now write three functions to do the following 3 tasks.

   **Tasks on Array:**
   1. Linear Search
   2. Bubble Sort
   3. Binary Search
   4. Interpolation Search

**Instructions:**

If your key value is present in the array then return the index where the key value is located, if not print "No key found".

**Reading material:**
https://dev.to/christinamcmahon/linear-binary-and-interpolation-search-algorithms-explained-55ni