Lab2 Definition and Implementation of Linear List

1. Experimental objectives
2. Mask the basic theories of list;
3. Use advanced programming techniques to implement array\_based list and their main algorithms;
4. Experimental content
5. Implement operations of array\_based list, operations as follows but not limited them:
   1. create an empty array\_based list and return it.
   2. Insert a data element at a given location in an array\_based list.
   3. Delete a data element at a given location in an array\_based list.
   4. Return the location of a given data element in the array\_based list.
6. Reverse all data elements of an array\_based list and on the original list places. (原地逆置操作)
7. Delete all data elements, each of them is greater than min and less than max.