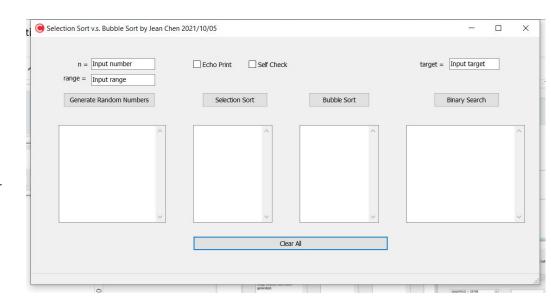
HW1 - Selection Sort, Bubble Sort, and Binary Search

資財系 109705011 陳盈均

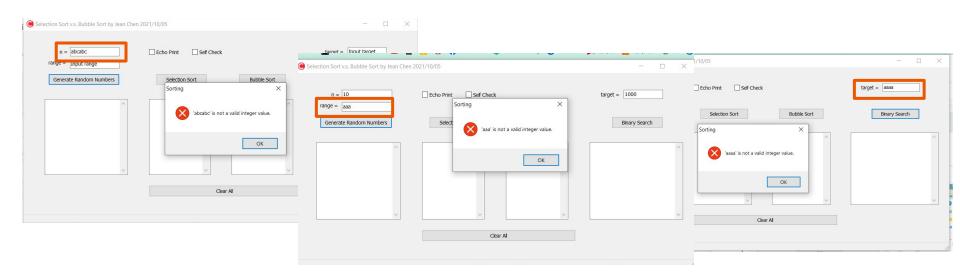
初始畫面

Selection Sort v.s. Bubble Sort

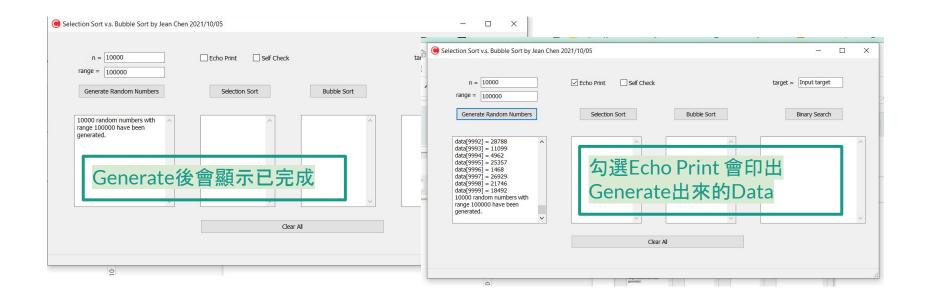
n, range, target 的 Edit 框中有提示讓使用者 在此輸入數字。



填入非數字的會跳出警告

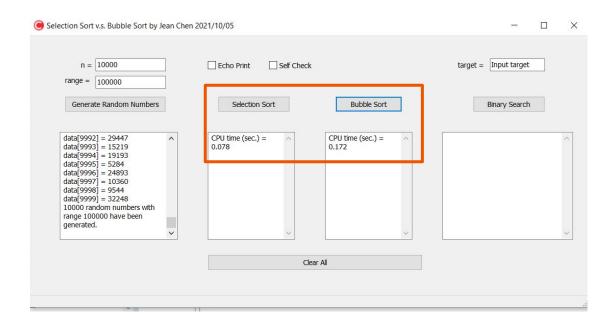


Generate Random Numbers



Selection Sort V.S. Bubble Sort

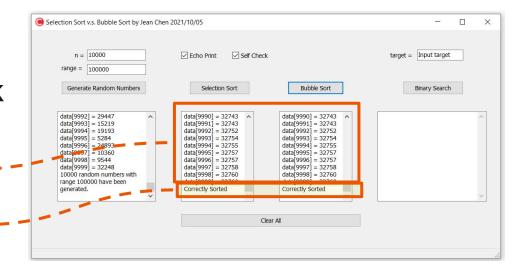
Selection Sort & Bubble Sort



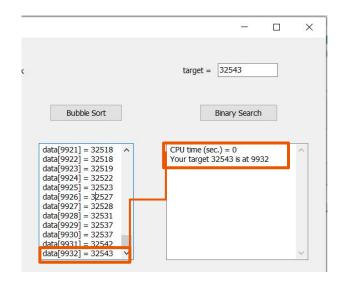
Selection Sort &
Bubble Sort with
Echo Print and Self Check

當Echo Print被勾選,會印出Sort完的資料。

當Self Check 被勾選, 會檢查已排序的資料 是否被正確排序。

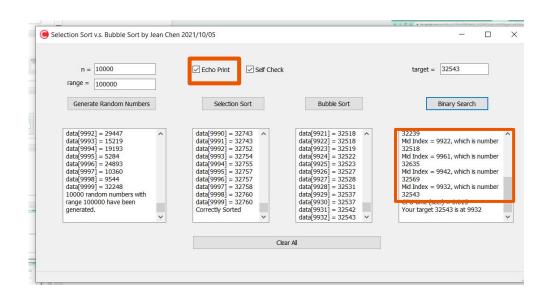


Binary Search



Using "Binary Search" to find the target.

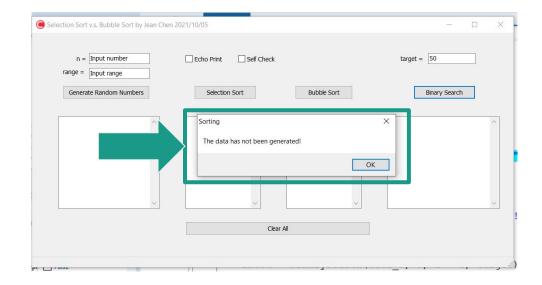
找到後會印出資料的Index



當Echo Print被勾選,會印出每一次Search所切的 Mid Index

Binary Search Without Data

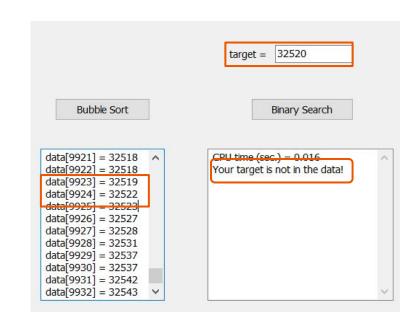
當還未Generate Random Numbers卻按下 Binary Search時, 會跳出警告



當target不在data中

當欲尋找的數字不在被generated的data中 , Memo中會印出

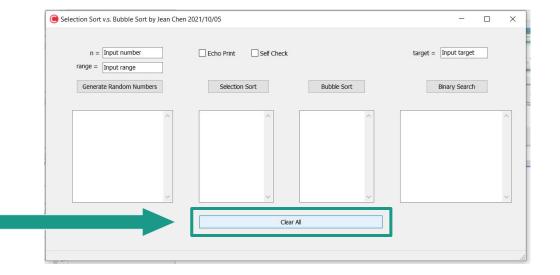
"Your target is not in the data!"



"Clear All" Button

Click "Clear All" to clear texts on Memos

按下Clear All鍵,會回復到如同剛開啟 application的介面



Comparison of CPU time of Selection Sort & Bubble Sort

