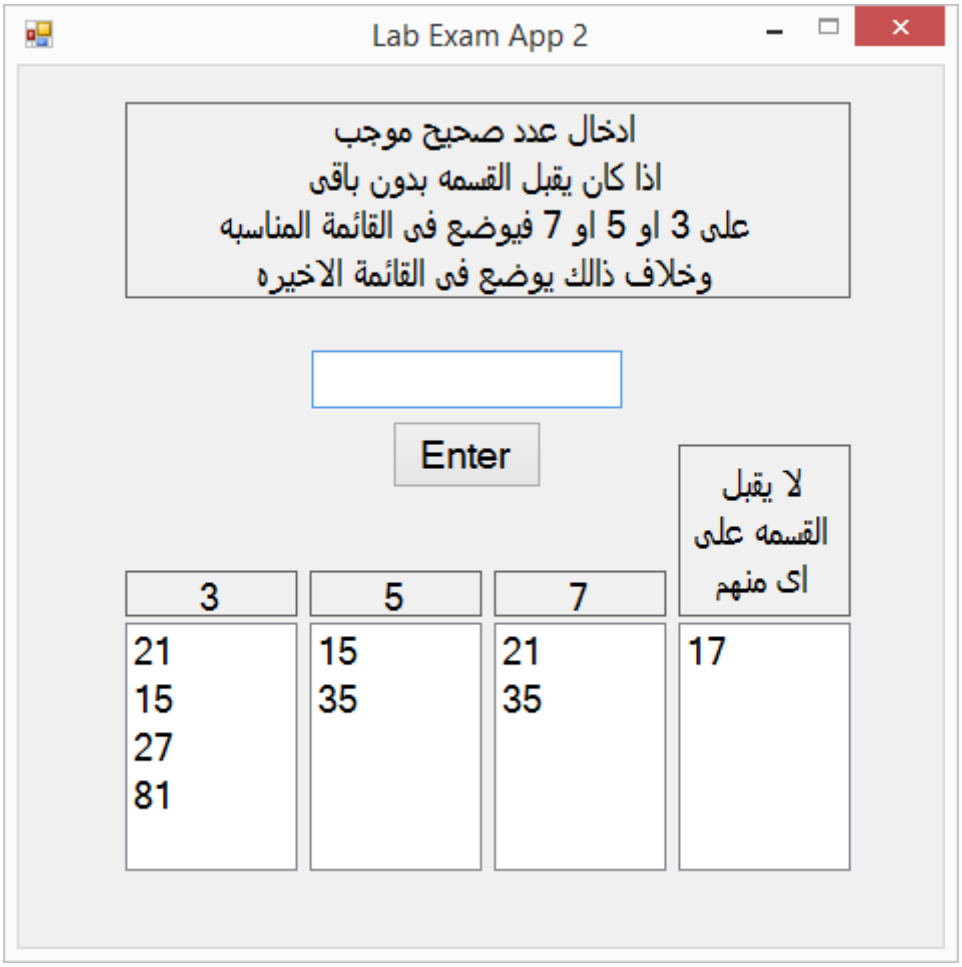
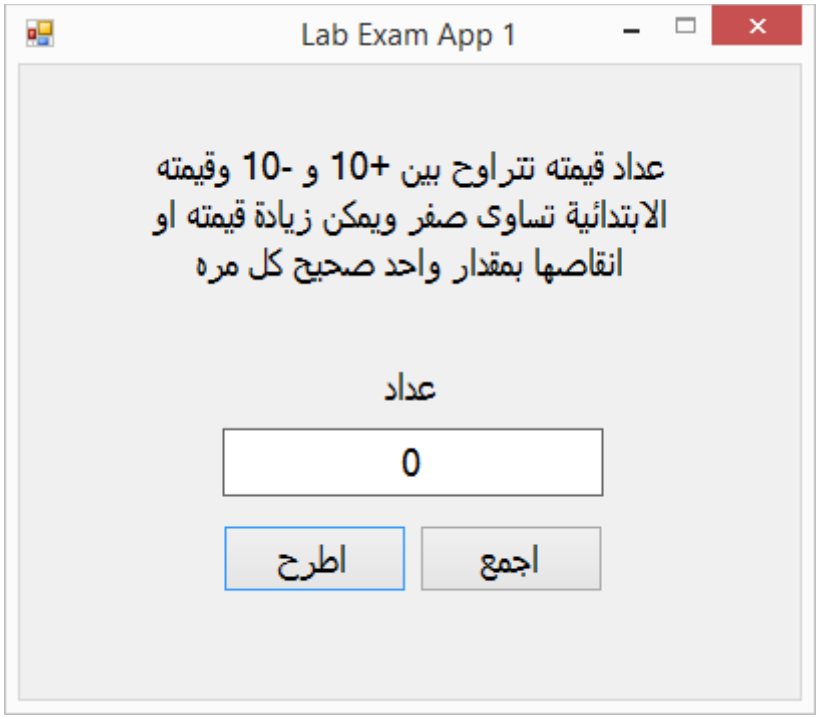
Sheet (3)
Object Oriented Programming (OOP)
(C#)

Given The GUI of a windows form application, Write the C# code for that app.

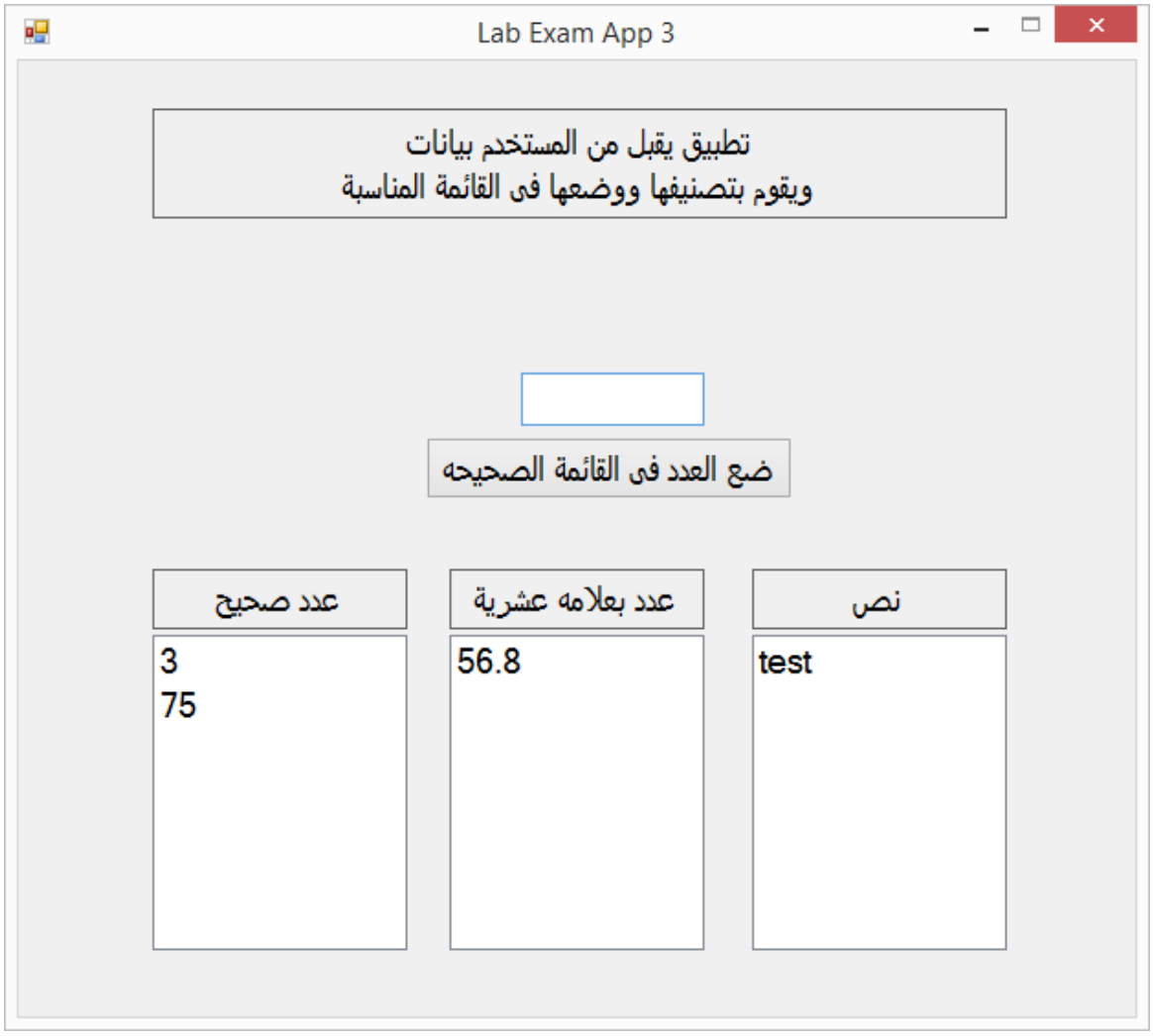
App 1 :



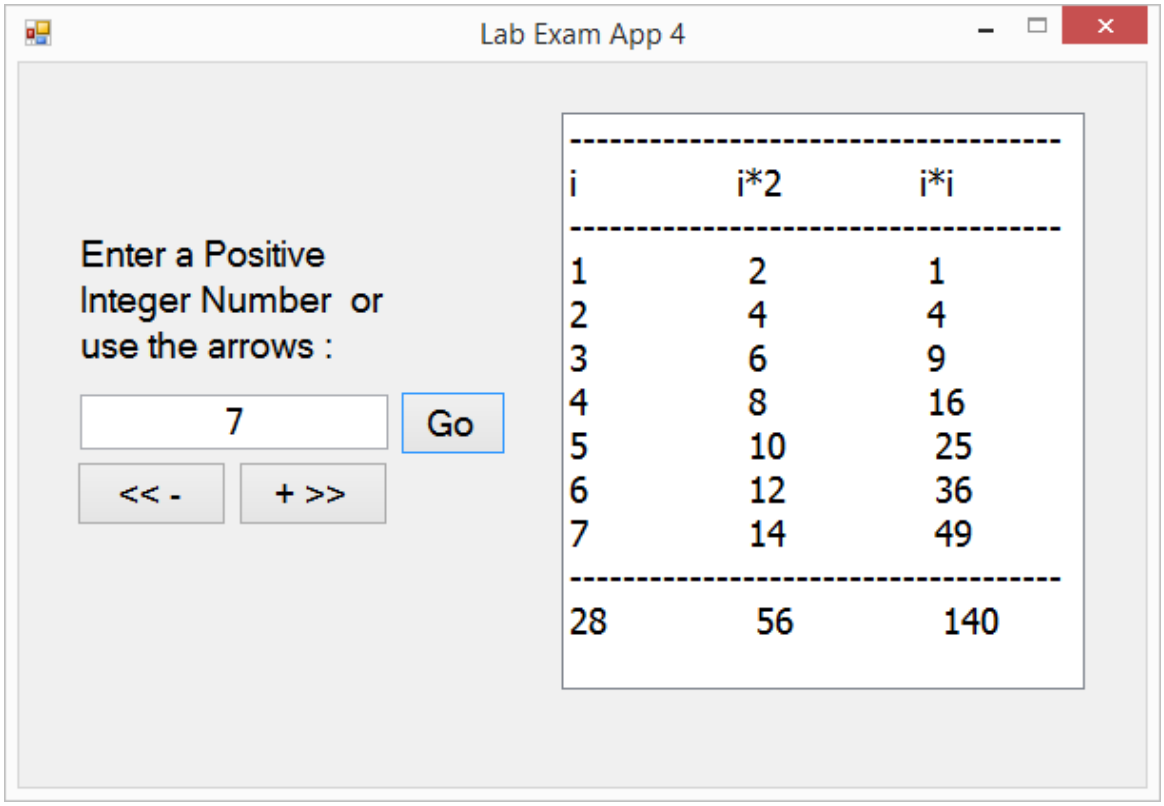
App 2 :


Lab Exam App 1
عداد قيمته نتراوح بين +10 و -10 وقيمته
الابتدائية تساوى صفر ويمكن زيادة قيمته او
انقاصها بمقدار واحد صحيح كل مره
عداد
0
اطرح
اجمع

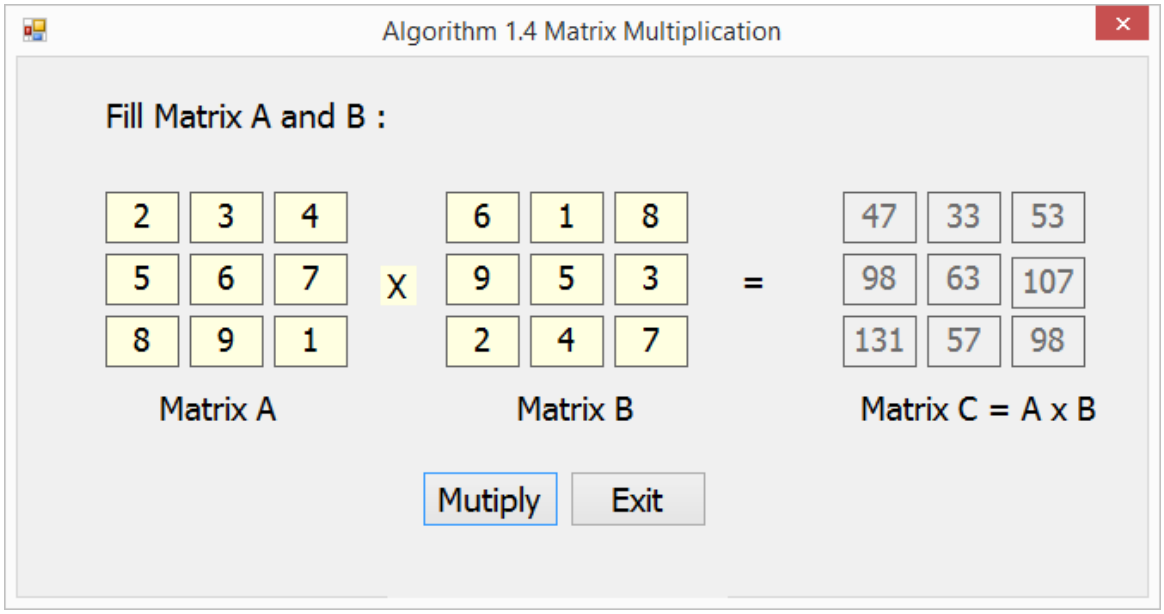
App 3 :


Lab Exam App 3
تطبيق يقبل من المستخدم بيانات
ويقوم بتصنيفها ووضعها فى القائمة المناسبة
ضع العدد فى القائمة الصحيحه
عدد صحيح
عدد بعلامه عشرية
نص
3
75
56.8
test

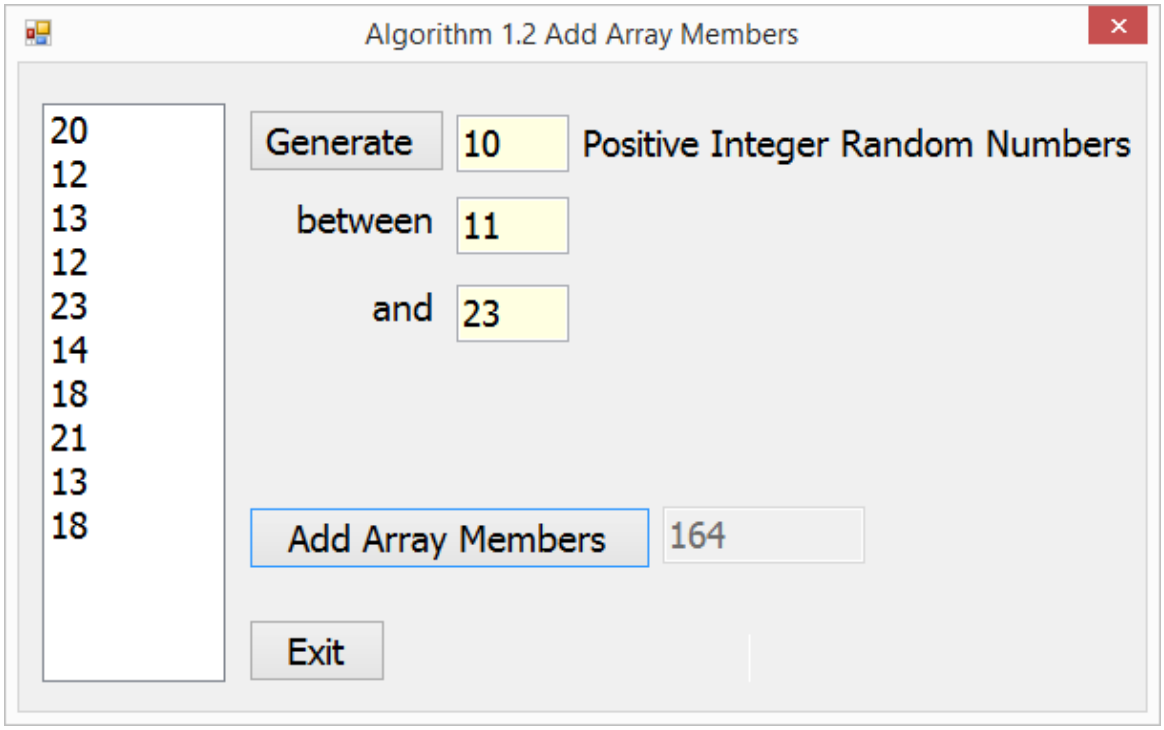
App 4 :


Lab Exam App 4
Enter a Positive Integer Number or use the arrows :
7
Go
<< -
+ >>
i i*2 i*i
1 2 1
2 4 4
3 6 9
4 8 16
5 10 25
6 12 36
7 14 49
28 56 140

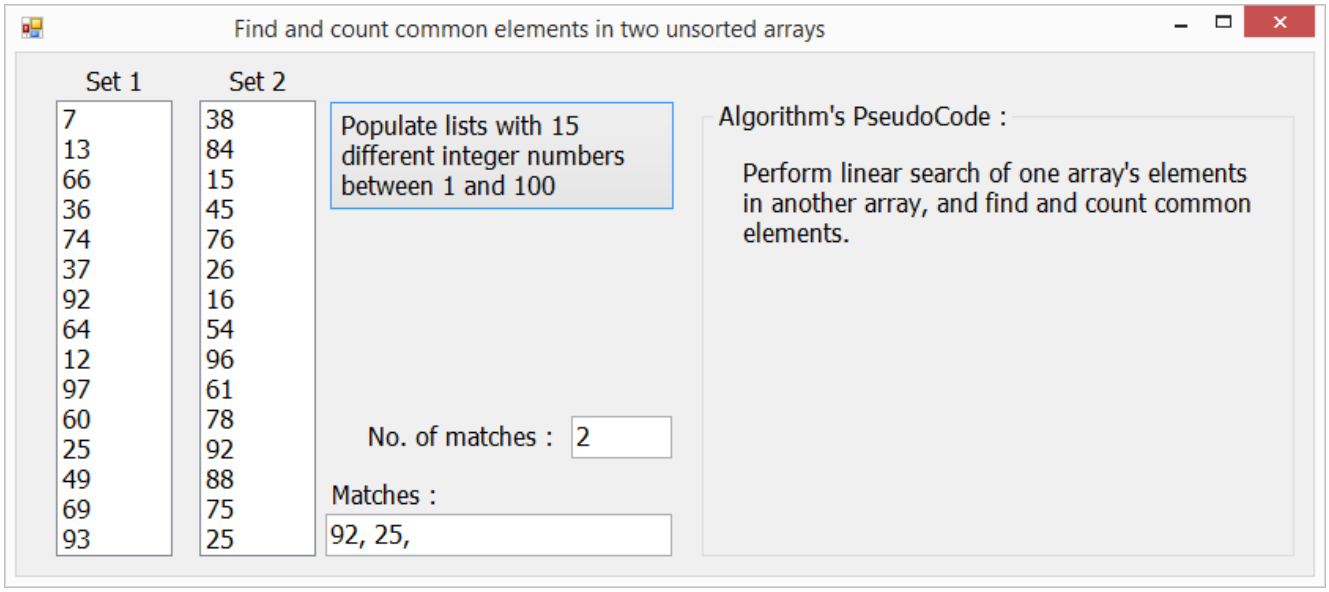
App 5 :


Algorithm 1.4 Matrix Multiplication
Fill Matrix A and B :
2 3 4
5 6 7
8 9 1
X
6 1 8
9 5 3
2 4 7
=
47 33 53
98 63 107
131 57 98
Matrix A
Matrix B
Matrix C = A x B
Mutiply
Exit

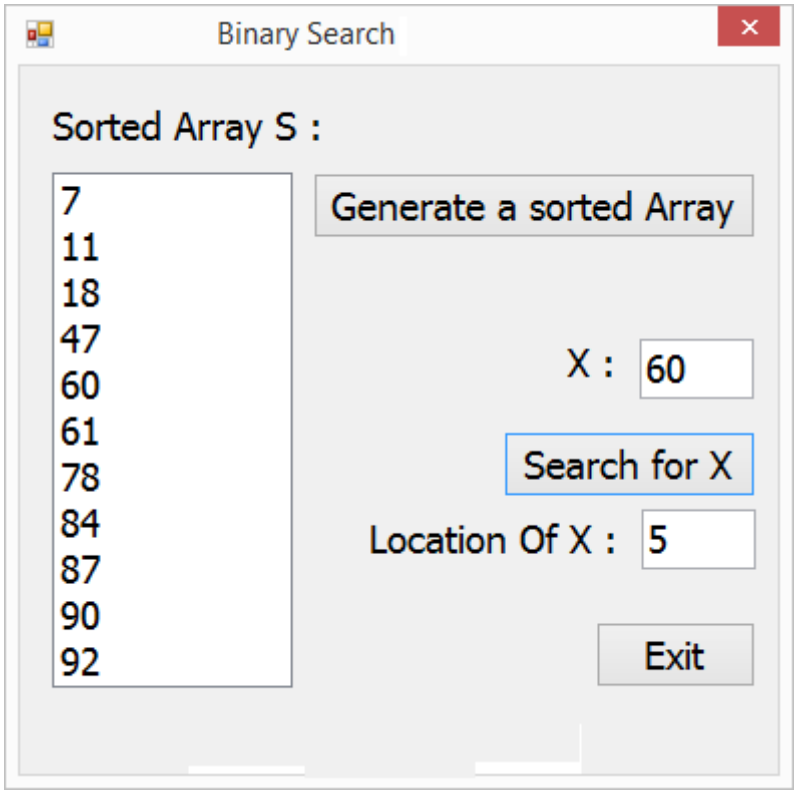
App 6 :


Algorithm 1.2 Add Array Members
20
12
13
12
23
14
18
21
13
18
Generate
10
Positive Integer Random Numbers
between
11
and
23
Add Array Members
164
Exit

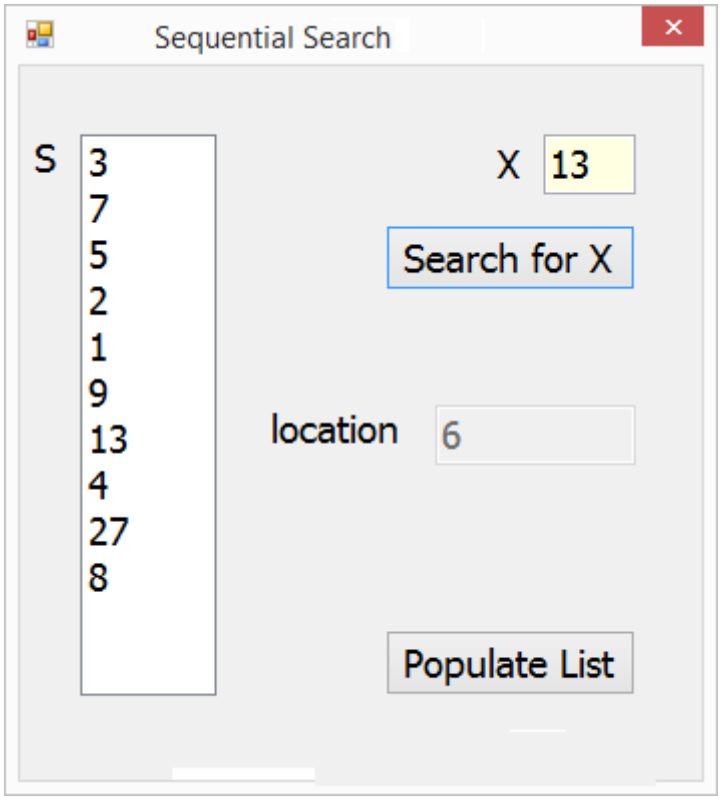
App 7 :


Find and count common elements in two unsorted arrays
Set 1
7
13
66
36
74
37
92
64
12
97
60
25
49
69
93
Set 2
38
84
15
45
76
26
16
54
96
61
78
92
88
75
25
Populate lists with 15 different integer numbers between 1 and 100
No. of matches : 2
Matches :
92, 25,
Algorithm's PseudoCode :
Perform linear search of one array's elements in another array, and find and count common elements.

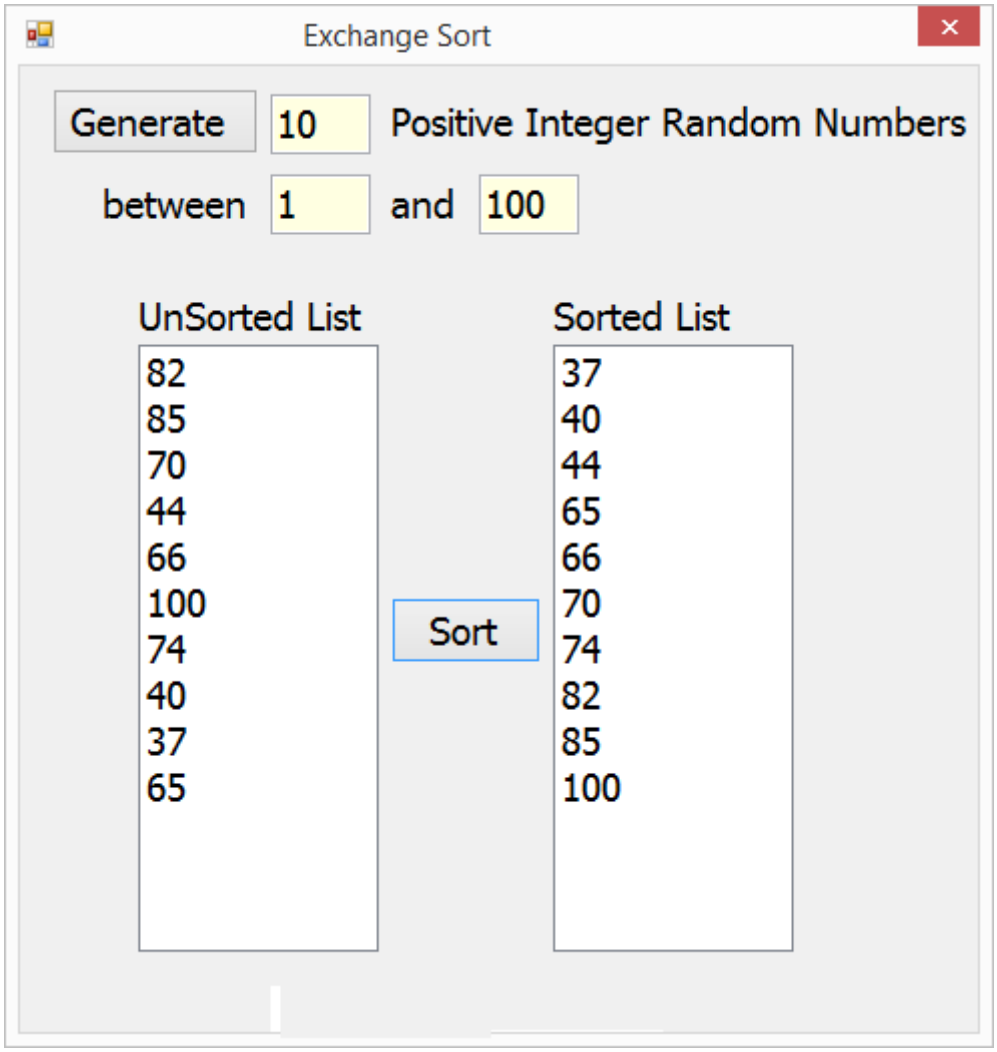
App 8 :


Binary Search
Sorted Array S :
7
11
18
47
60
61
78
84
87
90
92
Generate a sorted Array
X : 60
Search for X
Location Of X : 5
Exit

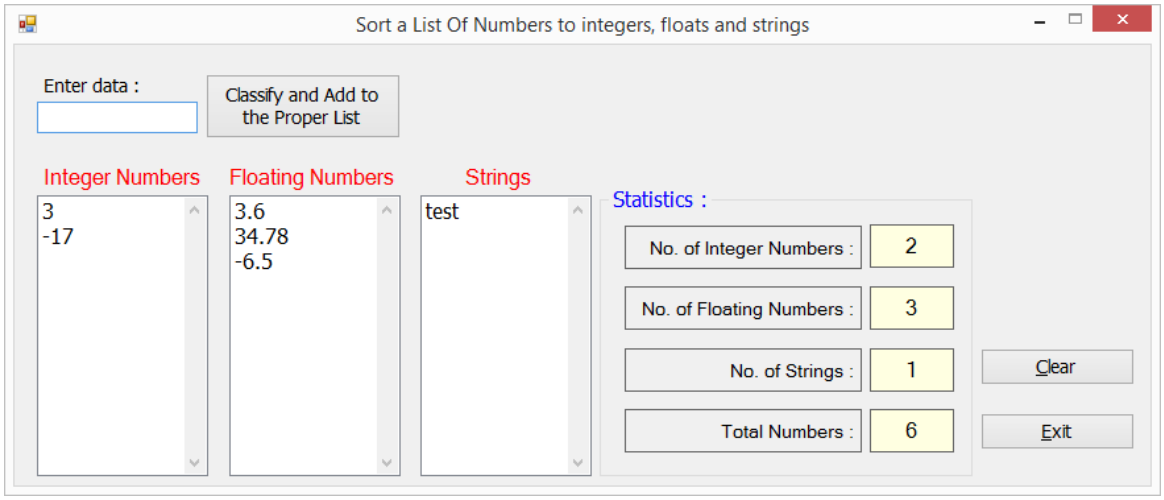
App 9 :


Sequential Search
S
3
7
5
2
1
9
13
4
27
8
X
13
Search for X
location
6
Populate List

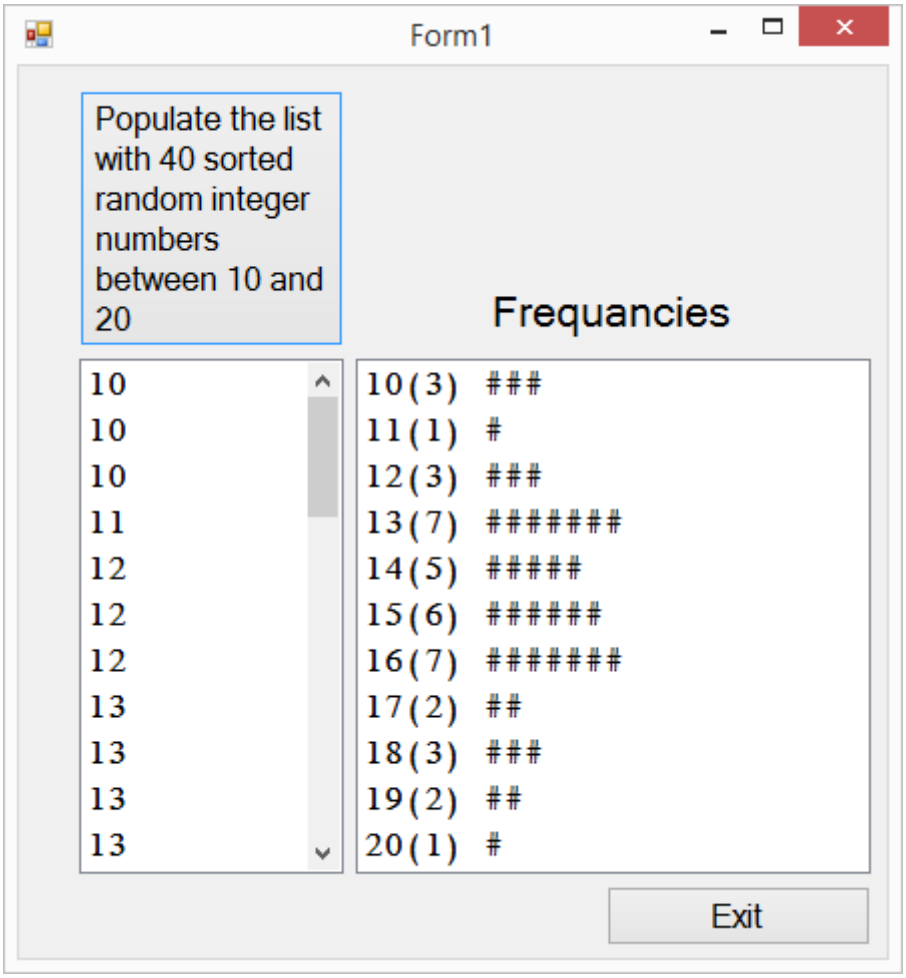
App 10 :


Exchange Sort
Generate
10
Positive Integer Random Numbers
between
1
and
100
UnSorted List
82
85
70
44
66
100
74
40
37
65
Sort
Sorted List
37
40
44
65
66
70
74
82
85
100

App 11 :


Sort a List Of Numbers to integers, floats and strings
Enter data :
Classify and Add to the Proper List
Integer Numbers
Floating Numbers
Strings
3
-17
3.6
34.78
-6.5
test
Statistics :
No. of Integer Numbers :
2
No. of Floating Numbers :
3
No. of Strings :
1
Total Numbers :
6
Clear
Exit

App 12 :


Form1
Populate the list with 40 sorted random integer numbers between 10 and 20
Frequancies
10
10
10
11
12
12
12
13
13
13
13
10(3) ###
11(1) #
12(3) ###
13(7) #######
14(5) #####
15(6) ######
16(7) #######
17(2) ##
18(3) ###
19(2) ##
20(1) #
Exit