

```
*****
**                                     **
**          This is ProcessArray with C style array          **
**                                     **
*****

sizeof(cArray).....: 40
sizeof(size_t).....: 4
size of cArray.....: 10

Initialize c type array with 0s.
Display content of c type array.....: 0 0 0 0 0 0 0 0 0 0
Initialize c type array with random number from range 0 to 100.
Display content of c type array.....: 42 68 35 1 70 25 79 59 63 65
Display content of c type array in reverse order..: 65 63 59 79 25 70 1 35 68 42
Display the sum of c type array.....: 507
Display the min_element() of c type array.....: 1
Display the max_element() of c type array.....: 79
Target element 25 found in cArray at index .....: 5
Target element 99 found in cArray at index .....: Not found
Number of 25 found in c type array is.....: 1
cArray[0] = targetElement
Number of 25 found in c type array is.....: 2
Number of values greater than 50 in cArray is.....: 6
Display content of c type array.....: 25 68 35 1 70 25 79 59 63 65
Is array sorted?.....: No
sort(begin(cArray), end(cArray))
Display content of c type array.....: 1 25 25 35 59 63 65 68 70 79
Is array sorted?.....: Yes
sort with greater<size_t>()
Display content of c type array.....: 79 70 68 65 63 59 35 25 25 1
Reverse cArray.
Display content of c type array.....: 1 25 25 35 59 63 65 68 70 79
"binary_search" for 28 in cArray.....: Not found
"binary_search" for 68 in cArray.....: Found
Initialize c type array manually.
Display content of c type array.....: 0 2 2 3 4 5 6 7 8 10
"BinarySearch()" for 0 in cArray index.....: 0
"BinarySearch()" for 1 in cArray index.....: Not found
"BinarySearch()" for 2 in cArray index.....: 2
"BinarySearch()" for 3 in cArray index.....: 3
"BinarySearch()" for 4 in cArray index.....: 4
"BinarySearch()" for 5 in cArray index.....: 5
"BinarySearch()" for 6 in cArray index.....: 6
"BinarySearch()" for 7 in cArray index.....: 7
"BinarySearch()" for 8 in cArray index.....: 8
"BinarySearch()" for 9 in cArray index.....: Not found
"BinarySearch()" for 10 in cArray index.....: 9
"BinarySearch2()" for 99 in cArray index.....: Not found
Initialize c type array with random number from range 0 to 100.
Display content of c type array.....: 6 46 82 28 62 92 96 43 28 37
shuffle array.
Display content of c type array.....: 82 46 28 62 92 28 96 6 37 43
LinearSerach found target 92 at index.....: 4
LinearSerach found target 25 at index.....: Not found
After BubbleSortCArrayDescending treatment.
Display content of c type array.....: 96 92 82 62 46 43 37 28 28 6
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C:\Users\ChilleeChillee\Dropbox\shared\CIS40\Projects\ProcessArray\Release\ProcessArray.exe

```
*****
**                                     **
**          This is ProcessArray with C++ style array          **
**                                     **
*****

cppArray.size().....: 10
Initialize c++ type array with 0s.
Display content of c++ type array.....: 0 0 0 0 0 0 0 0 0 0
Initialize c++ type array with random number from range 0 to 100.
Display content of c++ type array.....: 96 48 27 72 39 70 13 68 100 36
Display content of c++ type array in reverse order: 36 100 68 13 70 39 72 27 48 96
Display the sum of c++ type array.....: 569
Display the min_element() of c++ type array.....: 13
Display the max_element() of c++ type array.....: 100
Target element 37 found in cppArra at index .....: Not found
Target element 99 found in cppArra at index .....: Not found
Number of 43 found in c++ type array is.....: 0
cppArray[0] = targetElement
Number of 43 found in c++ type array is.....: 1
Number of values greater than 60 in cppArray is...: 4
Display content of c++ type array.....: 43 48 27 72 39 70 13 68 100 36
Is array sorted?.....: No
sort(cppArray.begin(), cppArray.end())
Display content of c++ type array.....: 13 27 36 39 43 48 68 70 72 100
Is array sorted?.....: Yes
sort with greater<size_t>()
Display content of c++ type array.....: 100 72 70 68 48 43 39 36 27 13
Reverse cppArray.
Display content of c++ type array.....: 13 27 36 39 43 48 68 70 72 100
"binary_search" for 70 in cppArray.....: Found
"binary_search" for 22 in cppArray.....: Not found
shuffle array.
Display content of c++ type array.....: 70 100 43 72 36 68 39 27 48 13
LinearSerach found target 70 at index.....: 0
LinearSerach found target 22 at index.....: Not found
After SelectionSortCppArray treatment.
Display content of c++ type array.....: 13 27 36 39 43 48 68 70 72 100

Press any key to continue . . .
```

