

C++ Arrays Lab Assignments 21 -12- 2022

1.	<p>Read an integer array A. Code to fill another array B , by selecting next minimum element every time from A, till all elements in A exhausts.</p> <p>Print contents of B.</p> <p>Input A = { 6 , 4 , 8 , 15 , 2 , 19 , 1 , 3 }</p> <p>Output B = { 1 , 2 , 3 , 4 , 6 , 8 , 15 , 19 }</p>
2.	<p>Read an integer array A. Code to adjust the elements in such a way that an even and odd number should be alternate in the sequence. Print contents of A after adjusted.</p> <p>Input A = { 6 , 1 , 8 , 5 , 7 , 4 , 9 , 2 , 3 }</p> <p>Output A = { 6 , 7 , 2 , 5 , 8 , 9 , 4 , 1 , 3 }</p>
3.	<p>Read an integer array and code to find all the leader elements in this array.</p> <p>An element is said to be leader if all the elements on it's right side are smaller than it.</p> <p>Rightmost element is always a leader.</p> <p>For example, if {14, 9, 11, 7, 8, 5, 3} is the given array then {14, 11, 8, 5, 3} are the leaders in this array.</p> <p>The leaders in [55, 67, 71, 57, 51, 63, 38] are : 38 63 71</p>
4.	<p>Code to find union and intersection of multiple arrays.</p> <p>Input Arrays :</p> <p>[2, 3, 4, 7, 1]</p> <p>[4, 1, 3, 5]</p> <p>[8, 4, 6, 2, 1]</p> <p>[7, 9, 4, 1]</p> <p>Union Of All Input Arrays :</p> <p>[2, 3, 4, 7, 1, 5, 8, 6, 9]</p> <p>Inter section:</p> <p>[4 1]</p>