**Lab Task-2**

**Instructions: Please read carefully**

* Please rename this file as only your ID number **(e.g. 18-\*\*\*\*\*-1.doc or 18-\*\*\*\*\*-1.pdf).**
* Submit the file before **10:15AM on 21/10/2020** in VUES under Lab Task-2**. If you cannot complete the full task, do not worry. Just upload what you have completed.**

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| 1. Initialize TWO integer arrays of different sizes. Merge the input arrays and create a new array. Then print the new array in reverse order.   For example,  Array\_1 = **{10,20,30,40,50}**  Array\_2 = **{1,2,3,4,5,6,7,8}**  Output: **8 7 6 5 4 3 2 1 50 40 30 20 10** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Initialize TWO integer arrays **A** and **B** of different sizes. Make a new array with the common elements between **A** and **B**. Print the new array element(s). If there is no common element, output “No common element!”.   For example,  Scenario 1:  Array\_1 = **{1,4,6,3,6,9}**  Array\_2 = **{5,3,7,1,2,6}**  Output: **1 6 3**  Scenario 2:  Array\_1 = **{1,4,6,3,6,9}**  Array\_2 = **{5,8,7,12,21,63}**  Output: **No common element!** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Initialize an array. Size should be more than FIVE. Write you program to change the array in such a way so that there cannot be any duplicate element in the array anymore. Print the changed array. If the initialized array already had no duplicate elements from the beginning, output a message saying “Array already unique!”;   For example,  Scenario 1:  Array\_1 = **{1,4,6,3,6,9,1}**  Output: **1 4 6 3 9**  Scenario 2:  Array\_1 = **{1,4,5,3,6,9}**  Output: **Array already unique!** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Initialize an integer array **A** of size 10. Take an integer as input and print how many times that integer occurs in **A**.   For example,  Array\_1 = **{8,4,6,1,6,9,6,1,9,8}**  Output:  **Input a number to search: 6**  **The number occurs 3 times in the array** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Initialize an integer array of size 10. Print the number of time each element occurs in the array.   For example,  Array\_1 = **{8,4,6,1,6,9,6,1,9,8}**  Output:  **8 occurs = 2 times**  **4 occurs = 1 time**  **6 occurs = 3 times**  **1 occurs = 2 times**  **9 occurs = 2 times** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |