**Lab Task-5**

**Instructions: Please read carefully**

* Please rename this file as only your ID number **(e.g. 20-\*\*\*\*\*-3.doc or 20-\*\*\*\*\*-3.pdf).**
* Submit the file before **the given time** in VUES section labeled **Lab task 5. If you cannot complete the full task, do not worry. Just upload what you have completed.**

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| **Question No.1**  Write a program that will demonstrate the work of a pointer |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.2**  Write a program to swap the value of two variables using pointers |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.3**  Write a program to print the value of an array in forward and reverse order. |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.4**  Take input into an array starting from the last index |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.5**  Write a program that find the odd numbers of an array and find the sum of the even numbers |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.6**  Write a program that will find the maximum and minimum values of an array. |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.7**  Write a program that will count the number of times a particular number appears in the array. Take the number as an input from the user. |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.8**  Use a pointer to access the elements of an array. Then using input from the user change the value of an index as per your wish. |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.9**  Use a pointer to change the password of a particular user from the login system program shown in the class. |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.10**  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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| **Question No.10**  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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| **Question No.11**  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):** |

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| **Question No.12**  Take input in an array in such a way, so that there are no duplicate entry. |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |