**Lab Task-1**

**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 **11:59pm on 21/10/2020** in VUES under Lab Task-1**. If you cannot complete the full task, do not worry. Just upload what you have completed.**

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| 1. Initialize an array of 10 elements and print the array elements both in normal and reverse order.   For example,  Input: **12 32 43 1 54 53 15 64 3 13**  Output: **13 3 64 15 53 54 1 43 32 12** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Initialize an integer array of 10 elements and print how many numbers are odd and how many numbers are even.   For example,  Input: **12 32 43 1 54 53 15 64 3 13**  Output:  **6 odd numbers**  **4 even numbers** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Write a function that takes TWO parameters to print all the odd numbers between a given range. Input the starting value of the range and ending value of the range. Then, send them as the parameters to your function.   For example,  Output:  **Starting value: 12**  **Ending value: 23**  **13 15 17 19 21 23** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Write a program to perform matrix addition between 3 matrices.   For example,  Input:  **12 13 14 1 2 3 101 104 107**  **15 16 17 4 5 6 102 105 108**  **18 19 20 7 8 9 103 106 109**  Output:  **114 119 124**  **121 126 131**  **128 133 138** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Write a function to calculate factorial of a given integer number if that number is a prime number. If it is not, it will give an error.   For example,  Scenario 1  Input: **5**  Output: **120**  Scenario 2  Input: **4**  Output: **Error! Not a prime number.** |
| **Your code here:** |
| **Your whole Screenshot here: (Console Output):** |