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Year:- III	**Subject:-** Programming for Problem Solving	**Semester: - V**

Experiment: 6

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Tasks:

Sr. No.	Problem Statement	I/O	Test Cases	Flow chart	Program-with color codes	Trace Table
1	Write a program to multiply each element of an array by 5 and display the resultant array.	✓	✓	✓	✓	✓
2	Write a program to find and display odd & even numbers from an array (1D) separately.	✓	✓		✓	
3	Write a program to copy one 1D array into another 1D array and display copied array.	✓	✓		✓	
4	Implement a program to reverse elements of 1D array and display it.	✓	✓		✓	
5	Develop a program to perform sum of elements of matrix (2D array) of order MXN.	✓	✓	✓	✓	
6	Develop a program to find sum of elements of lower triangular matrix of order MxN.	✓	✓		✓	
7	Write a program to perform addition of two matrix (2D array) and display the resultant matrix.	✓	✓		✓	
8	Implement a program to find the largest element 3X3 matrix.	✓	✓		✓	✓

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Practice Questions:-

1. Write a program to find sum of odd & sum of even numbers from array separately.
2. WAP to copy one array into another array in reverse order.
3. WAP to delete an element fr om an array.
4. WAP to find Sum of diagonal elements of MxN matrix.
5. WAP to find Sum of elements of upper triangular of MxN matrix.
6. WAP to find Matrix multiplication [of order mXn and pXq].