



**Marwadi**  
University  
Marwadi Chandarana Group



<b>Branch/Semester</b>	B.Tech CSE (AI & ML) / Semester I
<b>Subject Name:</b>	Computer Programming
<b>Subject Code:</b>	01CE2101
<b>Assignment:</b>	Practice Questions (1D & 2D Array)
<b>Date:</b>	3 <sup>rd</sup> September 2025
<b>Faculty Name:</b>	Prof. Abhishek Chauhan

<b>Sr.</b>	<b>Question</b>	<b>CO</b>	<b>BL</b>
1	Write a C program to declare and initialize a 1D array of 5 integers.	CO3	BL3
2	Write a program to read and print elements of a 1D array of size 10.	CO3	BL3
3	Implement a program to find the sum of all elements in a 1D array.	CO3	BL3
4	Write a program to find the maximum element in a 1D array.	CO3	BL3
5	Write a program to find the minimum element in a 1D array.	CO3	BL3
6	Implement a program to count the number of even elements in a 1D array.	CO3	BL3
7	Write a program to reverse the elements of a 1D array.	CO3	BL3
8	Implement a program to search for an element in a 1D array.	CO3	BL3
9	Write a C program to declare and initialize a 2D array (3×3 matrix).	CO3	BL3
10	Write a program to read and print elements of a 2D array (matrix).	CO3	BL3
11	Implement a program to find the sum of all elements in a 2D array.	CO3	BL3
12	Write a program to add two matrices of size 3×3.	CO3	BL3
13	Write a program to subtract two matrices of size 3×3.	CO3	BL3
14	Implement a program to find the transpose of a matrix.	CO3	BL3
15	Write a program to find the sum of diagonal elements of a 3×3 matrix.	CO3	BL3