

TOPIC: TWO DIMENSIONAL ARRAYS(NUMERIC)

1.	Write a program to accept a matrix of the order 3 X 3 of integers. Find its transpose and store it in another 2-D array and display the result.
2.	Write a program to accept a matrix of the order 4 x 4 of integers. Display its diagonal elements in the matrix form.
3.	Write a program to accept a square matrix of the order M x M of integers. Display its border elements in the matrix form.
4.	Write a program to accept a matrix of the order 4 X 4 of integers. Display the upper triangular elements and lower triangular elements of the matrix in the matrix form separately.
5.	Write a program to accept two matrices of the order M x N and P x Q of integers. Check whether they can be added, if possible add them and store it in another matrix and display the result matrix.
6.	Write a program to accept two matrices of the order M x N and P x Q of integers. Check whether they can be multiplied, if possible multiply them and store it in another matrix and display the result matrix.
7.	Write a program to accept a matrix of the order 3 x 3 of integers. Interchange the first row elements with the last row elements in the same matrix and display the result.