TOPIC : 2D Arrays

DAY-13

Q#	Experiment Details	Input	Output
1.	WAP for a two dimensional array to store and display the elements.(Store temperature of two cities for a week and display it)	Enter no of City : 2 1 2 Enter no of days : 7 Enter the Temp: Chosen value	Displaying values: City 1, Day 1 = 33 City 1, Day 2 = 34 City 1, Day 3 = 35 City 1, Day 4 = 33 City 1, Day 5 = 32 City 1, Day 6 = 31 City 1, Day 7 = 30 City 2, Day 1 = 23 City 2, Day 2 = 22 City 2, Day 3 = 21 City 2, Day 4 = 24 City 2, Day 5 = 22 City 2, Day 6 = 25 City 2, Day 7 = 26
2.	WAP to find the sum of two matrices of order 2*2 using multidimensional arrays.	Enter elements of 1st matrix Enter a11: 2; Enter a12: 0.5; Enter a21: -1.1; Enter a22: 2; Enter elements of 2nd matrix Enter b11: 0.2; Enter b12: 0; Enter b21: 0.23; Enter b22: 23;	Sum Of Matrix: 2.2 0.5 -0.9 25.0
3.	WAP to multiply two matrices and display it.	RUN-1: Enter value of matrix a 111111111 Enter value of matrix b 222222222 RUN-2: Enter value of matrix a 222222222 Enter value of matrix b 333333333	RUN-1 Value of matrix a 1 1 1 1 1 1 1 1 1 Value of matrix b 2 2 2 2 2 2 2 2 2 After Multiplication resultant matrix is 6 6 6 6 6 6 6 6 6 RUN-2

			Value of matrix a 2 2 2 2 2 2 2 2 2 Value of matrix b 3 3 3 3 3 3 3 3 3 After Multiplication resultant matrix is 18 18 18 18 18 18 18 18 18
4.	WAP to find the sum of elements of upper triangular.	**Set 1:** Enter no. of rows : 3 Enter no. of cols : 3 Enter values to the matrix : Enter a[0][0] value : 9 Enter a[0][1] value : 8 Enter a[0][2] value : 7 Enter a[1][0] value : 6 Enter a[1][1] value : 5 Enter a[1][2] value : 4 Enter a[2][0] value : 3 Enter a[2][1] value : 2 Enter a[2][2] value : 1	**Set 1:** The given matrix is : 9 8 7 6 5 4 3 2 1 Sum of upper triangular matrix = 19
5.	WAP to check whether two matrices are equal or not.	**Set 1:** Enter no. of rows : 3 Enter no. of cols : 3 Enter values to the matrix A : Enter a[0][0] value : 1 Enter a[0][1] value : 2 Enter a[0][2] value : 3 Enter a[1][0] value : 4 Enter a[1][1] value : 5 Enter a[1][2] value : 6 Enter a[2][0] value : 7 Enter a[2][1] value : 8 Enter a[2][2] value : 9 Enter values to the matrix B : Enter a[0][0] value : 1	**Set 1:** The given matrix A is : 1 2 3 4 5 6 7 8 9 The given matrix B is : 1 2 3 4 5 6 7 8 9 Matrix A is not equal to Matrix B

		Enter a[0][1] value : 2 Enter a[0][2] value : 3 Enter a[1][0] value : 4 Enter a[1][1] value : 5 Enter a[1][2] value : 6 Enter a[2][0] value : 7 Enter a[2][1] value : 8 Enter a[2][2] value : 9	