PROGRAM NO:- 2

Write a program to declare a square matrix a[ ][ ] of order MxM where ‘m’ is number of rows and number of columns , such that ‘m’ must be greater than 2 and less than 10.

1. Accept the value of M as user input. Display an appropriate message for an invalid input . Allow the user to input integer into this matrix . perform the following task:
2. Display the original Matrix.
3. Check if the given Matrix is symmetric or not.

A square Matrix is said to be symmetric,if the element of the ith row and the jth coloumn is equal to the element of the jth row and ith coloumn.

Find the sum of the elements of left diagnol and sum of elements of right diagonal of the matrix and display them.