Central University of Haryana

Matrix I/O

Write a program to read a matrix of size m*n from the keyboard and display the same using function.

Rudra Chinhara 2-21-2022

Github Link

CODE

```
// Write a program to read a matrix of size m * n from the keyboard and display the same using functions
#include <iostream>
void inputMatrix(int **array, int m)
    cout<<"Enter the elements of the matrix:\n";</pre>
    for(int i=0; i<m; i++)</pre>
        for(int j=0; j<m; j++)</pre>
            cin>>array[i][j];
void displayMatrix(int **array, int m)
    cout<<"The matrix is:\n";</pre>
    for(int i=0; i<m; i++)
        for(int j=0; j<m; j++)</pre>
            cout<<array[i][j]<<" ";</pre>
       cout<<"\n";
int main()
   cout<<"Enter the size of the matrix: ";</pre>
   cin>>size:
   int **matrix = new int*[size];
        matrix[i] = new int[size];
    inputMatrix(matrix, size);
   displayMatrix(matrix, size);
```

OUTPUT

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS D:\CUH\4th Sem\000P with C++\Lab\1. Matrix IO> cd "d:\CUH\4th Sem\00P with C++\Lab\1. Matrix IO\"; if ($?) { g++ Matrix.cpp -0 Matrix }; if ($?) { .\Matrix } Enter the size of the matrix:

1 2 3 4 5 6 7 8 9

The matrix is:

1 2 3 4 5 6 7 8 9

PS D:\CUH\4th Sem\00P with C++\Lab\1. Matrix IO> 

| The matrix is:

| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The matrix is:
| The ma
```