

## Problem 01:

Construct a multidimensional array that has n rows and m columns and get the sum of elements in each row and the sum of elements in each column.

Example:

The number of rows is 3

The number of columns is 2

1 2

3 4

5 6

Sum of rows: 3,7,11

Sum of Columns: 9,12

## Problem 02:

Write a C++ program that prints out a Rectangle with (nxm) dimensions using '\*' shape.

Example:

N=3 , m=1

Rectangle:

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### Problem 03:

Write a C++ program that converts all odd elements to '0' and even numbers to '1' in a (n x m) array.

Example:

n=3

m=3

4 6 9                      1 1 0

5 2 1      becomes    0 1 0

3 7 8                      0 0 1

### Problem 04:

Write a C++ program that checks if the square matrix of size n is an identity matrix print "Yes" or "No".

Example:

N=2

1 0

0 1

Yes

N=3

1 0 0

1 1 0

0 0 1

No