

Expected Outputed :

Enter the number of rows (r) = 2

Enter the number of column (c) = 2

Enter the matrix A elements =

Enter the matrix B elements =

Multiplication of A and B =

even =

even =

:

odd =

odd =

:

$$1 + bin = 12 \\ 2 / (12 + 12) = bin$$

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Ex.No.6

Title : 2D ARRAYS

Date :

2D ARRAYS

11-10-2021

Algorithm:

Step 1: Start

Step 2: Declare the variables $a[10][10]$, $b[10][10]$, $ab[10][10]$, $row[100]$, $col[100]$, integers r, c, i, j, k, e, o .

Step 3: Read r and c

Step 4: Introduce a for-loop for entering elements in the matrix A .

Step 5: Introduce a for-loop for entering elements in the matrix B .

Step 6: Introduce a for-loop for ^{multiplying} entering elements in the matrix A and matrix B .

Step 7: Introduce a for-loop for printing the product AB .

Step 8: Let $e=0$ and $o=0$.

Step 9: Introduce a for-loop for checking whether the elements of the product

Sample Output

Enter the number of row(s) = 3

Enter the number of column(s) = 3

Enter the matrix A elements =

6 4 9

1 3 5

4 7 8

Enter the matrix B elements =

3 22 4

6 9 8

4 2 1

Multiplication of A and B =

78 186 65

41 59 33

86 167 80

even = 78

even = 186

even = 86

even = 80

odd = 65

odd = 41

odd = 59

odd = 33

odd = 157

A, B are even or odd.

Step 10: Introduce a for-loop for printing the even numbers and odd numbers.

Step 11: Stop

Flow chart





