A

Write a program in C that loads (by columns) an array of type int ***A*** with ***K*** columns and ***W*** rows. Create a ***result*** vector in which you store the indices of those elements that are greater than a given number ***x***. View the array by rows.

B

Write a program in C that reads in a row by row array of type int ***A*** with ***K*** columns and ***W*** rows. Create a ***result*** vector in which you store the indexes of those elements that are three-digit numbers. View the array by columns.

C

Write a program in C that loads (by columns) an array of type int ***A*** with ***K*** columns and ***W*** rows. Create a ***result*** vector in which you store elements with even indices (both column number and row number). View the array by rows.

D

Write a program in C that loads an array of type int ***A*** with ***K*** columns and ***W*** rows by rows. Create a ***result*** vector in which you store elements with even column indices and odd row indices. View the array by columns.

E

Write a program in C that loads (by columns) an array of type int ***A*** with ***K*** columns and ***W*** rows. Create a ***result*** vector to store elements with odd column indices and even row indices. View the array by rows.

F

Write a program in C that loads an array of int type ***A*** with ***K*** columns and ***W*** rows by rows. Create a ***result*** vector in which you store elements with odd indices (both column number and row number). View the array by columns.

G

Write a program in C that loads an array of int type ***A*** with ***K*** columns and ***W*** rows by column. Count the sum of elements with odd indices (both column number and row number) that are divisible by 3. View the array by rows.

H

Write a program in C that loads an int array of type ***A*** with ***K*** columns and ***K*** rows by rows. Calculate the arithmetic mean of the elements from the main diagonal whose values belong to the interval **<x, y**>.

I

Write a program in C that loads an array of int type ***A*** with ***K*** columns and ***K*** rows by rows. Count the arithmetic mean of the elements lying under the main diagonal.

J

Write a program in C that loads (by columns) an array of type int ***A*** with ***K*** columns and ***K*** rows. Count the arithmetic mean of the elements lying above the main diagonal.

K

Write a program in C that loads (by columns) an array of int type ***A*** with ***K*** columns and ***K*** rows. Count the positive elements lying above the main diagonal (including the diagonal).

L

Write a program in C that reads in rows an array of int type ***A*** with ***K*** columns and ***K*** rows. Count the zero elements lying under the main diagonal (including the diagonal).

M

Write a program in C that loads (by columns) an array of type int ***A*** with ***K*** columns and ***W*** rows and a vector B. Count the product of the array A by the vector B.

N

Write a program in C that loads an int array ***A*** with ***K*** columns and ***W*** rows and an array B with ***W*** columns and ***K*** rows by row. Count the product of the arrays A and B.

O

1. Data: ***n*** - number of columns of matrix A
   m - number of rows of matrix A
   Load the matrix ***A(m,n)*** by rows. Create a vector ***B(m)***: ***B(i)*** - the sum of the elements of row ***i***

P

2. Data: ***n*** - number of columns of matrix A
   m - number of rows of matrix A
   k
   Load the matrix ***A(m,n)*** by columns. Create a vector ***B(m)***: ***B(i)*** - the number of elements of row ***i*** greater than ***k***.

   EXAMPLE:
   Data to be loaded:
   n=5, m=5
   array elements: 1, 4, 2, 1, 2, 4, 5, 3,...
   k=2

A

1	**4**	**6**	**8**	3
4	5	7	**2**	1
2	3	5	7	9
1	3	5	7	**8**
2	3	5	**2**	7

B

4
3
4
4
3