#include <stdio.h>

int main (void)

{

int a[10][10];

int i = 0, j = 0, row = 0, col = 0;

printf ("Enter the order of the matrix (mxn):\n");

printf ("where m = number of rows; and\n");

printf (" n = number of columns\n");

scanf ("%d %d", &row, &col);

int flag = 0;

printf ("Enter the elements of the matrix\n");

for (i = 0; i < row; i++)

{

for (j = 0; j < col; j++)

{

scanf ("%d", &a[i][j]);

}

}

for (i = 0; i < row; i++)

{

for (j = 0; j < col; j++)

{

if (i == j && a[i][j] != 1)

{

flag = -1;

break;

}

else if (i != j && a[i][j] != #include <stdio.h>

int main (void)

{

int a[10][10];

int i = 0, j = 0, row = 0, col = 0;

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for (i = 0; i < row; i++)

{

for (j = 0; j < col; j++)

{

scanf ("%d", &a[i][j]);

}

}

for (i = 0; i < row; i++)

{

for (j = 0; j < col; j++)

{

if (i == j && a[i][j] != 1)

{

flag = -1;

break;

}

else if (i != j && a[i][j] != 0)

{

flag = -1;

break;

}

}

}

if (flag == 0)

{

printf ("It is a IDENTITY MATRIX\n");

}

else

{

printf ("It is NOT an identity matrix\n");

}

return 0;

}