#include <stdio.h>

void main ()

{

static int array[10][10];

int i, j, m, n, sum = 0;

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

scanf("%d %d", &m, &n);

printf("Enter the co-efficients of the matrix\n");

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

{

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

{

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

}

}

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

{

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

{

sum = sum + array[i][j] ;

}

printf("Sum of the %d row is = %d\n", i, sum);

sum = 0;

}

sum = 0;

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

{

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

{

sum = sum + array[i][j];

}

printf("Sum of the %d column is = %d\n", j, sum);

sum = 0;

}

}