c program to read and print elements in two dimensional arrays

#include <stdio.h>

int main() {

int rows, cols;

printf("Enter the number of rows: ");

scanf("%d", &rows);

printf("Enter the number of columns: ");

scanf("%d", &cols);

if (rows <= 0 || cols <= 0) {

printf("Error: Please enter valid values for rows and columns.\n");

return 1; // Exit the program with an error code

}

int arr[rows][cols];

printf("Enter elements for the %d x %d array:\n", rows, cols);

for (int i = 0; i < rows; ++i) {

for (int j = 0; j < cols; ++j) {

printf("Enter element at position [%d][%d]: ", i, j);

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

}

}

printf("\nElements in the %d x %d array:\n", rows, cols);

for (int i = 0; i < rows; ++i) {

for (int j = 0; j < cols; ++j) {

printf("%d\t", arr[i][j]);

}

printf("\n");

}

return 0;

}