2d array to write and read in c

#include <stdio.h>

#define ROWS 3

#define COLS 4

int main() {

int arr[ROWS][COLS] = {{1, 2, 3, 4},

{5, 6, 7, 8},

{9, 10, 11, 12}};

// Writing to the 2D array

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

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

printf("Enter a value for arr[%d][%d]: ", i, j);

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

}

}

// Reading from the 2D array

printf("The 2D array is:\n");

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

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

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

}

printf("\n");

}

return 0;

}

