```
#include <stdio.h>

#define M 4 // Number of rows
#define N 4 // Number of columns

void printSpiral(int matrix[M][N]) {
    int top = 0, bottom = M - 1;
    int left = 0, right = N - 1;

    while (top <= bottom && left <= right) {
        // Print top row
        for (int i = left; i <= right; i++) {
            printf("%d ", matrix[top][i]);
```

```
    }
    top++;

    // Print right column
    for (int i = top; i <= bottom; i++)
{
        printf("%d ", matrix[i][right]);
    }
    right--;

    // Print bottom row
    if (top <= bottom) {
        for (int i = right; i >= left; i--) {
```

```
            printf("%d ",
matrix[bottom][i]);
        }
        bottom--;
    }

    // Print left column
    if (left <= right) {
        for (int i = bottom; i >= top; i-
-) {
            printf("%d ", matrix[i]
[left]);
        }
        left++;
```

```
        }
    }
}

int main() {
    int matrix[M][N] = {
        {1, 2, 3, 4},
        {5, 6, 7, 8},
        {9, 10, 11, 12},
        {13, 14, 15, 16}
    };

    printf("Matrix in Spiral
Form:\n");
```

```
    printSpiral(matrix);
    printf("\n");

    return 0;
}
```