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**Aim :** Print a Spiral matrix for nXm size

**Prac0.cpp**

```
#include <iostream>
using namespace std;
void printSpiralMatrix(int n, int m) {
    int matrix[n][m];
    int top = 0, bottom = n - 1, left = 0, right = m - 1;
    int num = 1;

    while (num <= n * m) {

        for (int i = left; i <= right; i++) {
            matrix[top][i] = num++;
        }
        top++;

        for (int i = top; i <= bottom; i++) {
            matrix[i][right] = num++;
        }
        right--;

        for (int i = right; i >= left; i--) {
            matrix[bottom][i] = num++;
        }
        bottom--;
```

```

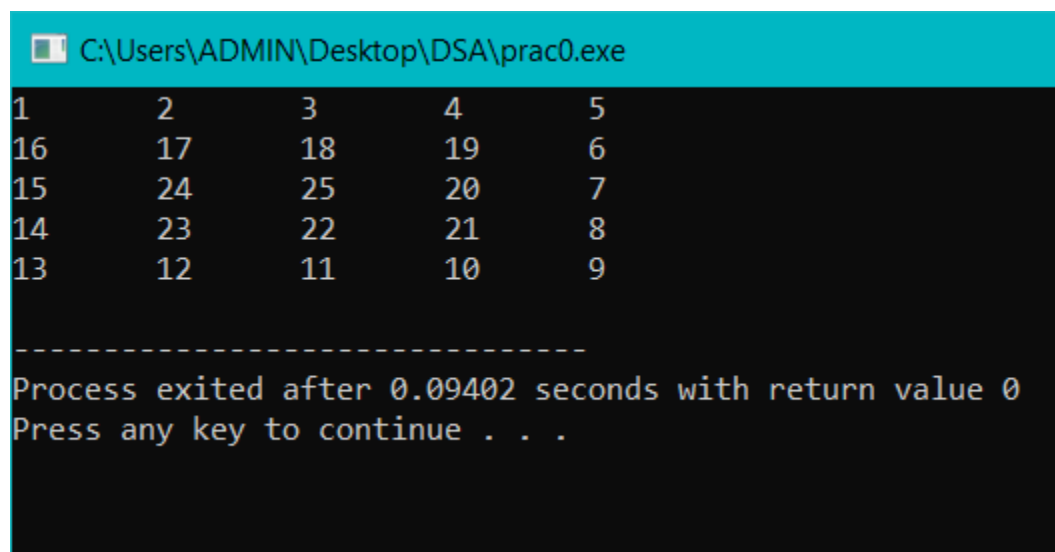
        for (int i = bottom; i >= top; i--) {
            matrix[i][left] = num++;
        }
        left++;
    }

    for (int i = 0; i < n; i++) {
        for (int j = 0; j < m; j++) {
            cout << matrix[i][j] << " ";
        }
        cout << endl;
    }
}

int main() {
    int n = 5;
    int m = 5;
    printSpiralMatrix(n, m);
    return 0;
}

```

OUTPUT :



```

C:\Users\ADMIN\Desktop\DSA\prac0.exe
1      2      3      4      5
16     17     18     19     6
15     24     25     20     7
14     23     22     21     8
13     12     11     10     9

-----
Process exited after 0.09402 seconds with return value 0
Press any key to continue . . .

```