To print a Matrix spirally.

```
>>> Syntax:
#include<stdio.h>
int main(void)
        int A[10][10], size, start, end;
        printf("Enter the size of matrix : ");
       scanf("%d", &size);
        for(int i=0; i < size; i++)
                for(int j=0; j < size; j++)
                        printf("Enter element at position [%d %d]: ",i,j);
                        scanf("%d", &A[i][j]);
        for(int i=0; i < size; i++)
                for(int j=0; j < size; j++)
                        printf("%4d", A[i][j]);
                printf("\n");
        printf("\n\n");
        printf("\nOUTPUT ::");
        for(start=0,end=size-1; start<=end; start++,end--)</pre>
                for(int i=start; i<=end; i++)</pre>
                        printf("%d ",A[start][i]);
                for(int i=start+1; i<=end; i++)</pre>
                        printf("%d ",A[i][end]);
                for(int i=end-1; i>=start; i--)
                        printf("%d ",A[end][i]);
                for(int i=end-1; i>=start+1; i--)
                        printf("%d ",A[i][start]);
        }printf("\n");
        return 0;
}
```

>>> **Output**:

```
khushal@khushal-HP-ProBook-445-G1:~/Desktop$ gcc spiral.c
khushal@khushal-HP-ProBook-445-G1:~/DesktopS ./a.out
Enter the size of matrix: 4
Enter element at position [0 0]: 1
Enter element at position [0 1]: 2
Enter element at position [0 2]: 3
Enter element at position [0 3]: 4
Enter element at position [1 0] : 5
Enter element at position [1 1]: 6
Enter element at position [1 2]: 7
Enter element at position [1 3]: 8
Enter element at position [2 0]: 9
Enter element at position [2 1]: 10
Enter element at position [2 2] : 11
Enter element at position [2 3] : 12
Enter element at position [3 0]: 13
Enter element at position [3 1]: 14
Enter element at position [3 2] : 15
Enter element at position [3 3]: 16
      2
          3
              4
   1
   5
      6
          7
              8
  9 10 11 12
 13 14 15 16
OUTPUT ::1 2 3 4 8 12 16 15 14 13 9 5 6 7 11 10
khushal@khushal-HP-ProBook-445-G1:~/DesktopS
```