Spiral Matrix

For this problem, we need to traverse the matrix in spiral order (clockwise).

Key Idea:

- Use four boundaries:
    - top (start row)
    - bottom (end row)
    - left (start column)
    - right (end column)
- Traverse in 4 directions:
    1. Left → Right (top row)
    2. Top → Bottom (right column)
    3. Right → Left (bottom row, if any)
    4. Bottom → Top (left column, if any)
- Shrink boundaries after each traversal.

Complexity:

- Time: $O(m \times n)$ (visit each element once)
- Space: $O(1)$ (excluding output)