Our Solution(s)   Run Code

Solution 1

```cpp
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#include <vector>

using namespace std;

bool isOutOfBounds(int row, int col, int height, int width);

// O(n) time | O(n) space - where n is the total number of elements i
// two-dimensional array
vector<int> zigzagTraverse(vector<vector<int>> array) {
  int height = array.size() - 1;
  int width = array[0].size() - 1;
  vector<int> result = {};
  int row = 0;
  int col = 0;
  bool goingDown = true;
  while (!isOutOfBounds(row, col, height, width)) {
    result.push_back(array[row][col]);
    if (goingDown) {
      if (col == 0 || row == height) {
        goingDown = false;
        if (row == height) {
          col++;
        } else {
          row++;
        }
      } else {
        row++;
        col--;
      }
    } else {
      if (row == 0 || col == width) {
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```cpp
#include <vector>

using namespace std;

vector<int> zigzagTraverse(vector<vector<int>> array) {
  // Write your code here.
  return {};
}
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.