

Testing for spiral matrix

In this task, we have a matrix and the code returns the elements of the matrix in spiral order.

We did multiple tests with different cases to check if the code is running properly and providing the correct output.

- In test case 1, we have a 3x3 matrix, and we need to check if elements are returned in spiral order. The expected result is (1,2,3,6,9,8,7,4,5).
- In test case 2, we have a 4x5 matrix, result should be an array whose elements are in spiral order. The expected result is (1,2,3,4,5,10,15,20,19,18,17,16,11,6,7,8,9,14,13,12).
- In test case 3, we have a 2x2 matrix, the expected result is (1,2,4,3)
- Test case 4 has an empty matrix, the expected result is empty array.
- Test case 5 is a matrix with a single row, expected result is (1,2,3,4,5) which is same as input.
- Test case 6 is a matrix with a single column is (1,2,3,4,5) which is same as input.
- Test case 7 is a 1x1 matrix, the expected result is same element.
- Test case 8 is a 3x3 matrix with negative numbers
- Test case 9 is a 3x3 matrix with zero values
- Test case 10 is a matrix with irregular dimensions
- Test case 11 is a matrix with uneven dimensions
- Test case 12 is a matrix with repeating elements
- Test case 13 is a matrix with large dimensions

Results of all tests are correct, as expected results.