```
1572. Easy
   Given a square matrix mat, return the sum of the matrix diagonals.
   Only include the sum of all the elements on the primary diagonal
   and all the elements on the secondary diagonal that are not part
   of the primary diagonal.
8
   Constraints:
   n == mat.length == mat[i].length
10
11 1 <= n <= 100
12 1 <= mat[i][j] <= 100
```

## Example 1:

## Example 2:

## Example 3:

```
Input: mat = [[5]]
Output: 5
```

```
int diagonalSum(vector<vector<int>>& mat) {
       int N = mat.size();
       int sum = 0;
       for(int i=0; i<N; i++) {
5
            sum += mat[i][i] + mat[i][N-i-1];
6
8
       // if Odd number of row than subtract middle element
9
       if(N%2) {
10
            sum = sum - mat[N/2][N/2];
11
12
```

return sum;

13

14 }

## #100daysofDSA









/rvislive

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