**SOLUTION**

class Solution {

public:

int minPathSum(vector<vector<int>>& grid) {

int m=grid.size();

if(m==0)

return 0;

int n=grid[0].size();

if(n==0)

return 0;

for(int i=0;i<m;i++){

for(int j=0;j<n;j++){

if(i-1>=0 && j-1>=0){

grid[i][j]+=min(grid[i-1][j],grid[i][j-1]);

}

else{

if(i-1>=0)

grid[i][j]+=grid[i-1][j];

if(j-1>=0)

grid[i][j]+=grid[i][j-1];

}

}

}

return grid[m-1][n-1]; }

};

**TIME COMPLEXITY: O(M\*N)**

**SPACE COMPLEXITY: O(1)**