DSA Questions:

Q1).Let us implement Rat in a MAZE as example problem that can be solved using a Stack. A Maze is given as N*N binary matrix of blocks where source block is the upper left most block i.e., maze[0][0] and destination block is lower rightmost block i.e., maze[N-1][N-1]. A rat starts from source and has to reach destination. The rat can move in four directions: back, forward, up and down. In the maze matrix, 0 means the block is dead end and 1 means the block can be used in the path from source to destination. Visited path (visited index) should be marked as -1. Note that this is a simple version of the typical Maze problem. For example, a more complex version can be with limited number of moves. All inputs and outputs will be done using filing. Input file name will be input.txt and output will be in output.txt.

Q1b) Do it recursively.