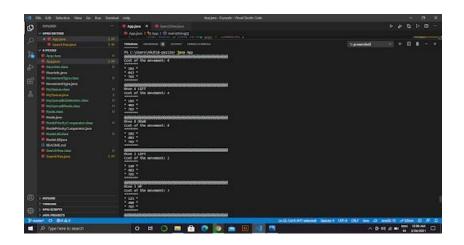
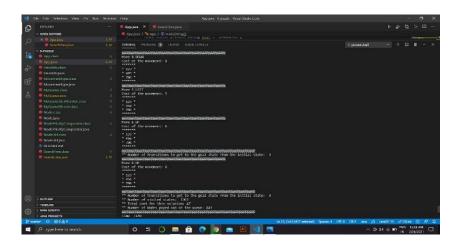
F. Prepare a table indicating the memory and time require- ments to solve Puzzle-8 instances (depth "d") using your graph search agent

Memory and Time requirements Since we are using BFS

Space complexity: O(b*d) Time complexity: O(b*d)

where b = branching factor & d = depth of state space





Number of transitions to get to the goal state = 9 Number of visited states = 1363 Total cost of solution = 47 Number of Nodes popped out of the queue = 843 Time taken = 149