## Artificial intelligence Lab

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### 1 Introduction

The 8-puzzle problem is a puzzle invented and popularized by Noyes Palmer Chapman in the 1870s. It is played on a 3-by-3 grid with 8 square blocks labeled 1 through 8 and a blank square. Our goal is to rearrange the blocks so that they are in order.

And in second assignment we will be solving problems for Bfs. Breadth-first search is an algorithm for searching a tree data structure for a node that satisfies a given property. It starts at the tree root and explores all nodes at the present depth prior to moving on to the nodes at the next depth level.

#### 2 Screenshot of code

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# 3 Acknowledgment

I would like to thank to our honourable teacher for helping me to understand this project.