Artificial Intelligence Lab (CS 236)

Practice Assignment - 4

1. Write a Python program to solve the 8-puzzle problem using the different blind search strategies i.e. Breadth-First Search (BFS), Depth-First Search (DFS), Iterative Deepening (ID), and uniform cost search (UCS).
2. WPP to find the occurrence of a specific element in a list using function.
3. WPP to count the number of odd numbers, the number of even numbers, the number of prime numbers, and the number of non-prime numbers in a list of numbers.
4. WPP to find and store the maximum element between the corresponding elements of two same-size lists of numbers in a 3rd list using function.