

Steps :

1. Enter City 1 - This city must be from the input and in the same case structure.
2. Enter City 2 - This city must be from the input and in the same case structure.
3. Enter the search method - Enter number 1 for DFS, 2 for BFS, and 3 for IDS.
4. Output will be of format - Arad ---> Zerind - 75

Name of a single city can have two words separated by space.

Input will be a text file of format

Arad,Sibiu,149

Zerind,Arad,75

Oradea,Zerind,71

Rimnicu Vilcea, Sibiu 80 ----> Separated by comma

Assumptions:

These Search techniques will return a path between the two cities if it exists.

In DFS and IDS the search is affected by the way in which cities are added to the input file, if a pair of cities comes first in the input file then they will become the left most node and will be explored first in case of the Depth first Search.