

Compile and Run Program

1. Go to src directory
2. To compile enter in terminal:
`javac *.java`
3. Enter Run command:
`java Run <Algorithm_nav> <Filename> <start x> <start y> <goal x> <goal y> <d for debug/
empty otherwise>`

<Algorithm_nav>: Search Algorithm used i.e:

BFS_nav for Breadth First Search

DFS_nav for Depth First Search

GBFS_nav for Greedy Best First Search

<Filename>: Name of file with coordinates and edges, Ex. ATM.graph(Make sure the file is present in the same directory, otherwise give the absolute path of file.)

Co-ordinates of start vertex:

<start x> <start y>

Co-ordinates of Goal vertex:

<goal x> <goal y>

<Debug>: d to enable debug mode, leave it empty to run in normal mode

For example:

For normal mode:

`java Run GBFS_nav ATM.graph 10 20 20 1` [will give path from (10,20) to (20,1) in normal mode]

For debug mode:

`java Run GBFS_nav ATM.graph 10 20 20 1 d` [will give path from (10,20) to (20,1) in debug mode]