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## Maze

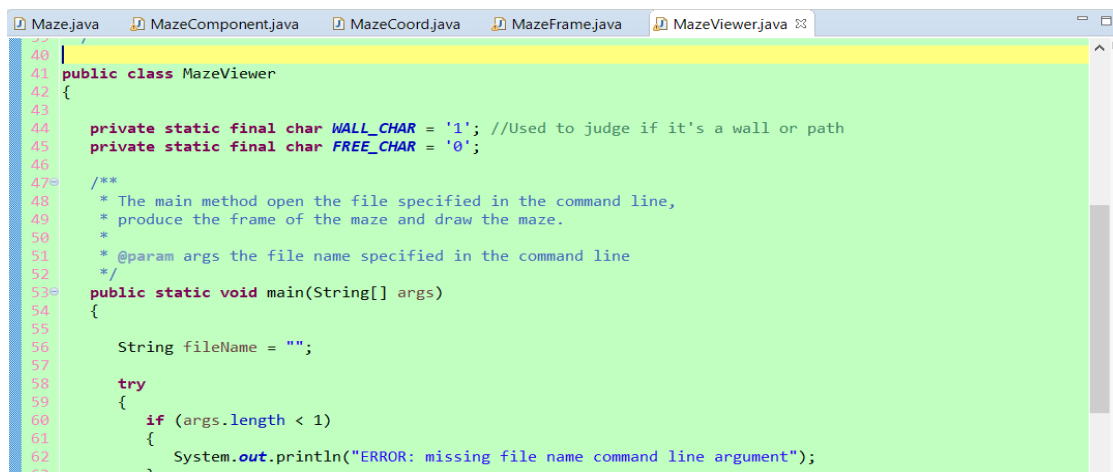
Create maze from a txt document looking like below:

```
1 9 10
2 0111111111
3 0110000000
4 0000111110
5 1011101010
6 1000001000
7 1011011101
8 1010001111
9 0000100000
10 1111111110
11 5 8
12 8 9
13
```

Where “0” indicates there is a path while “1” indicates there is a wall. Thw whole maze is by default surrounded by wall. “5 8” indicates entrance coordinate while “8 9” indicates exit coordinate.

Computer automatically search a path to “escape” this maze.

The program looks like (5 classes):



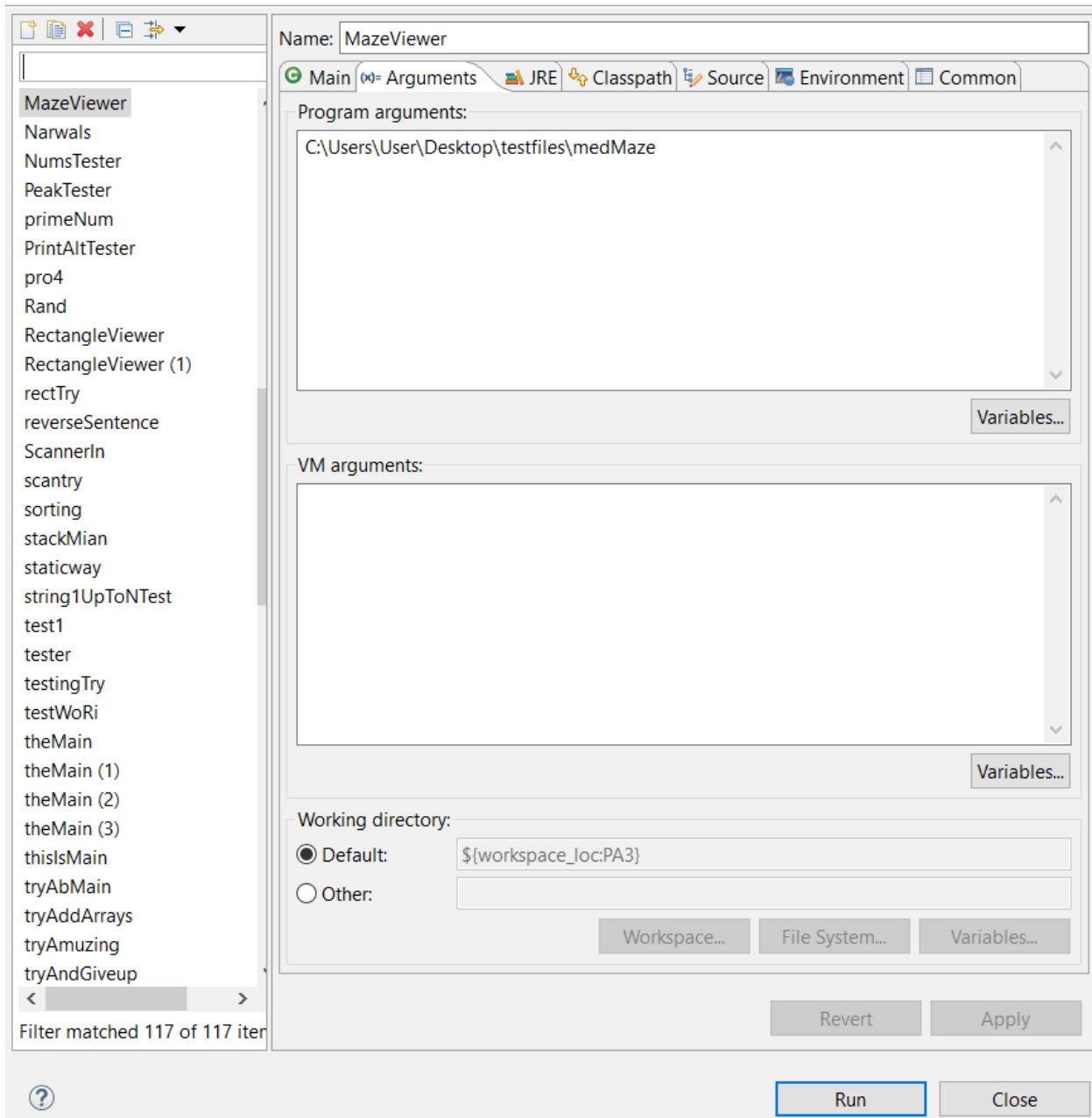
```
40 |
41 | public class MazeViewer
42 | {
43 |
44 |     private static final char WALL_CHAR = '1'; //Used to judge if it's a wall or path
45 |     private static final char FREE_CHAR = '0';
46 |
47 |     /**
48 |      * The main method open the file specified in the command line,
49 |      * produce the frame of the maze and draw the maze.
50 |      *
51 |      * @param args the file name specified in the command line
52 |      */
53 |     public static void main(String[] args)
54 |     {
55 |         String fileName = "";
56 |
57 |         try
58 |         {
59 |             if (args.length < 1)
60 |             {
61 |                 System.out.println("ERROR: missing file name command line argument");
62 |             }
63 |         }
```

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## 1. Run on a meddle size maze:

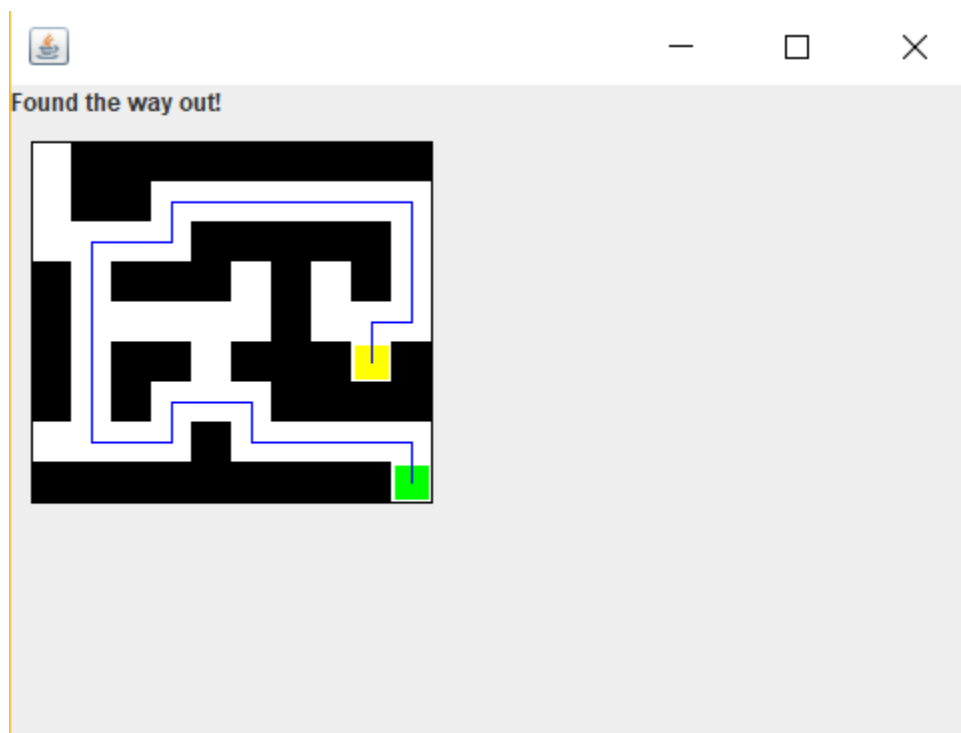
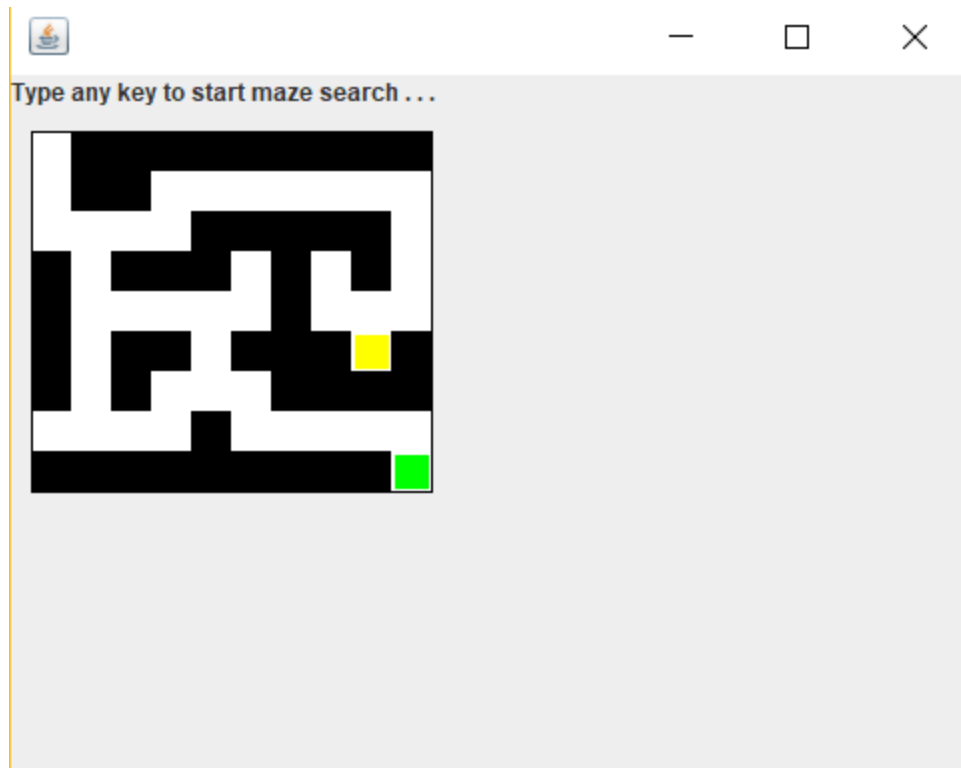
### Create, manage, and run configurations

Run a Java application



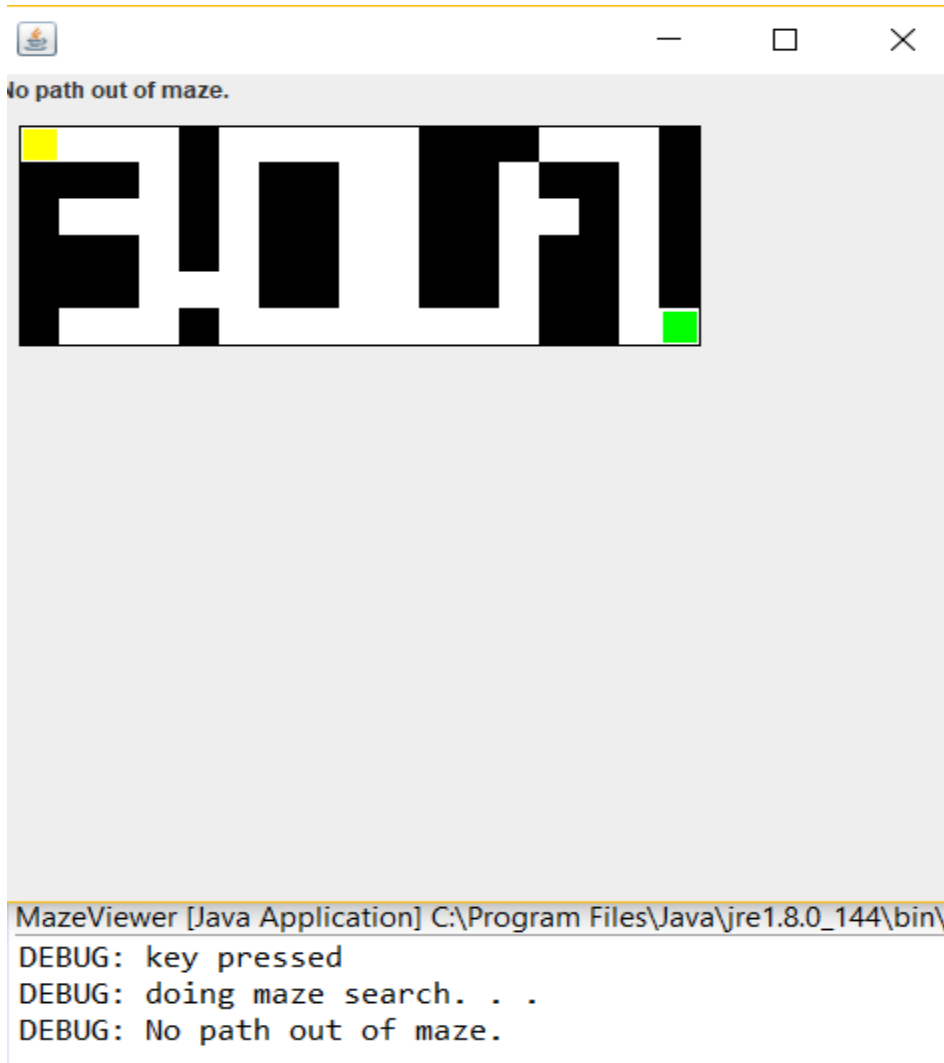
Results:

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2. Run on maze with no path:

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