How To

Compile the source code

1   Download the NEW zip file from github:

        https://github.com/cjromb/maze

        NOTE THE NEW NAME!

        `maze-cjromb-src-new.zip`

2   Make a new empty directory

3   Copy the zip file into it.

4   Unzip the file inside the new directory

5   Change into maze_source directory like this:

        `cd maze_source`

6   Compile the source like this:

        `javac -d ../maze_target src/com/maze/*.java`

NOTES:

Pay close attention to including or not including path slashes in the compile command.

You don't need anything except the normal $CLASSPATH set on your computer, if you run it from within the maze_target directory. I've included the external libraries, the text file, and the java docs in the source zip file.

Expected Result: If the sun is shining, and all is right in the world, it should come back to a command prompt with no errors or messages.

To run the newly compiled source code

1   Change into the maze_target directory from the source directory like this:

```
cd ../maze_target
```

2   Then type this command

```
java com/maze/MazeMain
```

Expected Result: You should see several lines of text with directions in them. If you have a printout of the maze, you should be able to follow the directions to find your way from beginning to end.

PREREQUISITES: Java 1.8 or newer - Must have JRE to run, must have JDK as well, to compile.

Also, the instructions here assume you have a Mac or Linux box. It will work on Windows as well, but you'll have to change the instructions over to Windows syntax.

To create a jar file from the compiled program:

You will need to copy the class files you just created into that directory.

1   From the maze_target directory, copy the class files into the maze_jar directory, like this:

```
cp -r com ../maze_jar/
```

2   Then change into the maze_jar subdirectory like this:

```
cd ../maze_jar
```

3   Create the Jar file

```
jar cmvf META-INF/MANIFEST.MF maze_cjromb.jar com/maze/* lib/*
```

META-INF contains the manifest, so the jar can be runnable.maze_cjromb.tar is the resulting jar

Run the new jar file

Stay in the maze_jar directory and type this:

```
java -jar maze_cjromb.jar
```

NOTES:
You should be able to move that maze_cjromb.jar file to another subdirectory or another machine, however you MUST give someone BOTH the jar, and the files directory.

As long as Java 1.8 and the JRE are set up properly, that command should work.