This project contains three files. They are Node.java, eightSquare.java and Tester.java. Node.java implements the Node object that is used for the search tree of the project. eightSquare.java is where the different search algorithms have been implemented to solve the 8-puzzle. Tester.java handles the input sequence that users provide it.

Before compiling one should make sure that all the .java files are in a single folder, so that it is easier to compile them. Then from the terminal, one can navigate to the folder where the files are stored. At the terminal prompt, the following line can then be entered to compile all the required files:

javac \*.java

Following this, one must type the line:

java Tester

This will begin the execution of the program.

The user will first be asked to enter 9 digits separated by spaces representing an 8-puzzle configuration. After entering that, the user must simply enter 1, 2, 3 or anything else to select a method of search to be run or to exit the program. The results of each run will be displayed.