

How to Execute my program from the command prompt

1. Make sure you have the latest version of java jdk installed. It can be acquired here: <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
2. After installing Java, make sure your command prompt or power shell can find the java compiler. This can be done by typing in “**java -version**” and “**javac -version**”. If you get no errors, then you’re good to go. If javac does give an error, navigate to System Variables in the computer’s search, go into Environment Variables, and prepend **C:\Program Files\Java\jdk1.6.0_27\bin;** to the Path variable (Note, your java folder may be in a different path. Modify as needed). Then, restart the cmd and check “**javac -version**”
3. Extract the folder **P1_802156832** from the zip file. Note where you extract it to. Navigate inside to **P1_802156832\src** and paste the input.txt file and csv test files in this **src** folder.
4. Once java and javac are set, and you’ve pasted the test cases in the **src** folder, navigate your way to the path of the project src folder in the command prompt. You should type something like this:
 - a. **cd C:\Users\”your user”\”wherever you’ve saved the file”\P1_802156832\src**
5. Once here, type “**javac Main.java**” You should get no errors.
6. Once prompted, type “**java Main**”. The project should run.
 - a. If you’ve pasted all txt and csv files in the proper src folder, the program should run automatically at this point.
 - b. The program will automatically look for “input.txt” in the directory you are currently in (which should be the src folder) if running from cmd or powershell. If you’ve not pasted it here, you will be prompted to type in the entire path of the file’s location, with forward slashes. The program will open it and look for the csv files in this new path where the txt file is located.
 - c. If you have pasted it in the src folder but under a different name, simply type in the name of the file with its extension and the program will look for it in the src folder.
 - d. If you are running it through an IDE (Eclipse), the program will look for the file in the project folder instead of the src folder. Either copy files to the project folder or type in the file path.
7. Once the project runs, it will output the results of the simulations to both the console and to the corresponding **.out** files in the folder where the input files were located (either project folder or src).

UML Diagram of Mat Pat Project Classes and relationships as designed by Brian Rodriguez Badillo.

