Instructions to run the program

1. Install jdk 8 and JRE 1.8 in your computer.
2. Open the file Cache.java and change the file paths of the input files (instruction\_trace,address,data size and main memory) to the location that you have stored in your computer .
3. Run the file Cache.java in an IDE or in command prompt.
4. Use the values of 1k cache-size, 1 way associative and cache line 2 bytes when asked for inputs while running the program.
5. Ensure to add attached jar files in order to be able to graph. In the jars.zip, you will see the following files: jcommon-1.0.23.zip and jfreechart-1.0.19.zip. Rename them both to jcommon-1.0.23.jar and jfreechart-1.0.19.jar. After that, add these jar files to the attached java project’s build path so that the graphs can be executed.
6. We have drawn the graphs in java. We followed a particular naming convention to figure out which graph is for what. For example, graphHitWayAssociative1LineSize16.java will output graph for Hit Ratio vs Cache Size where way associative is selected as 1 and cache line size is 16 bytes. Similarly, for example graphIPCWayAssociative1LineSize16.java will output graph for IPC vs Cache Size (You may see “Block Size”instead of “Cache Size”, if yes, consider that as a typo) where way associative is selected as 1 and cache line size is 16 bytes.