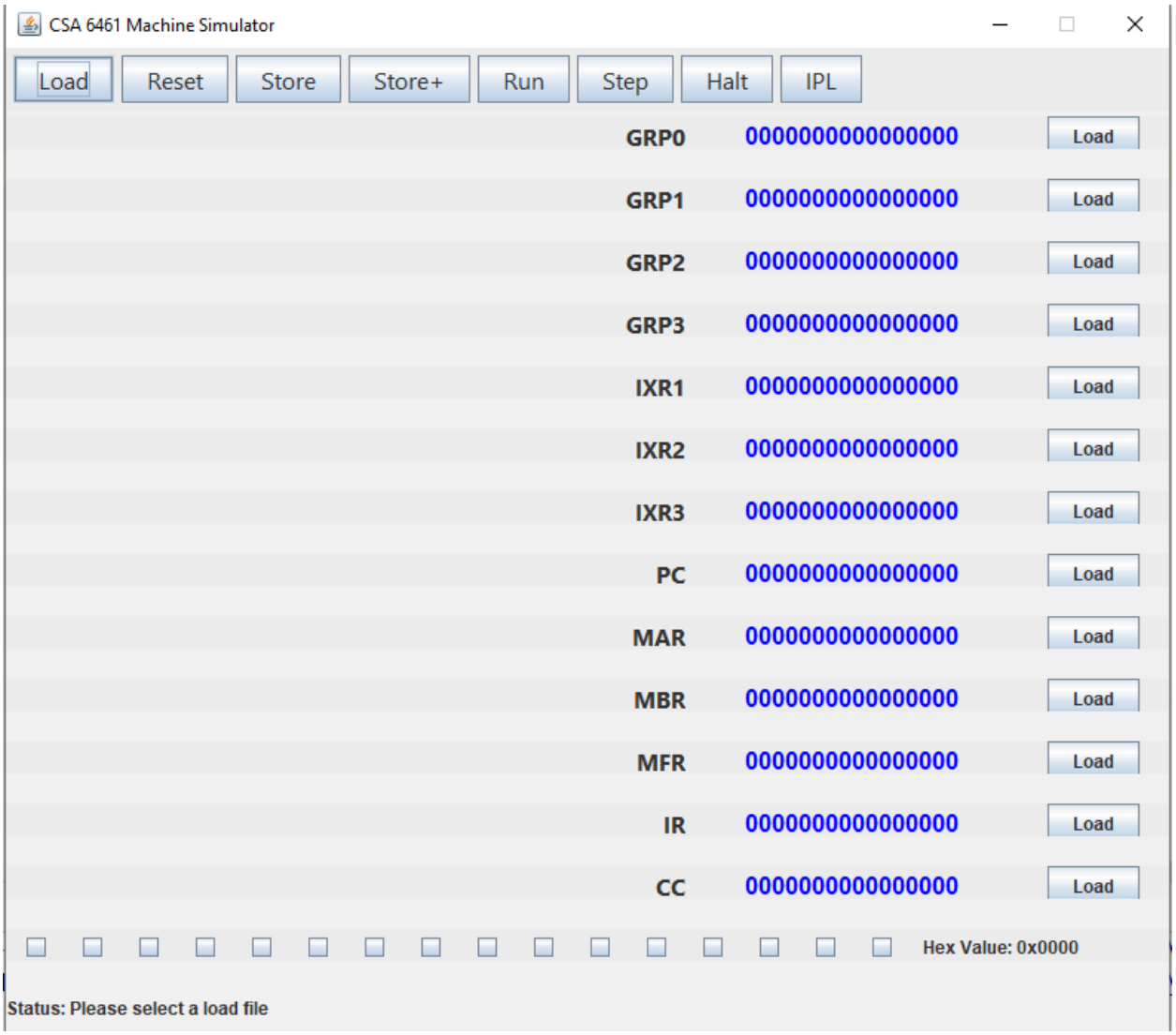
Submission Directory Structure:

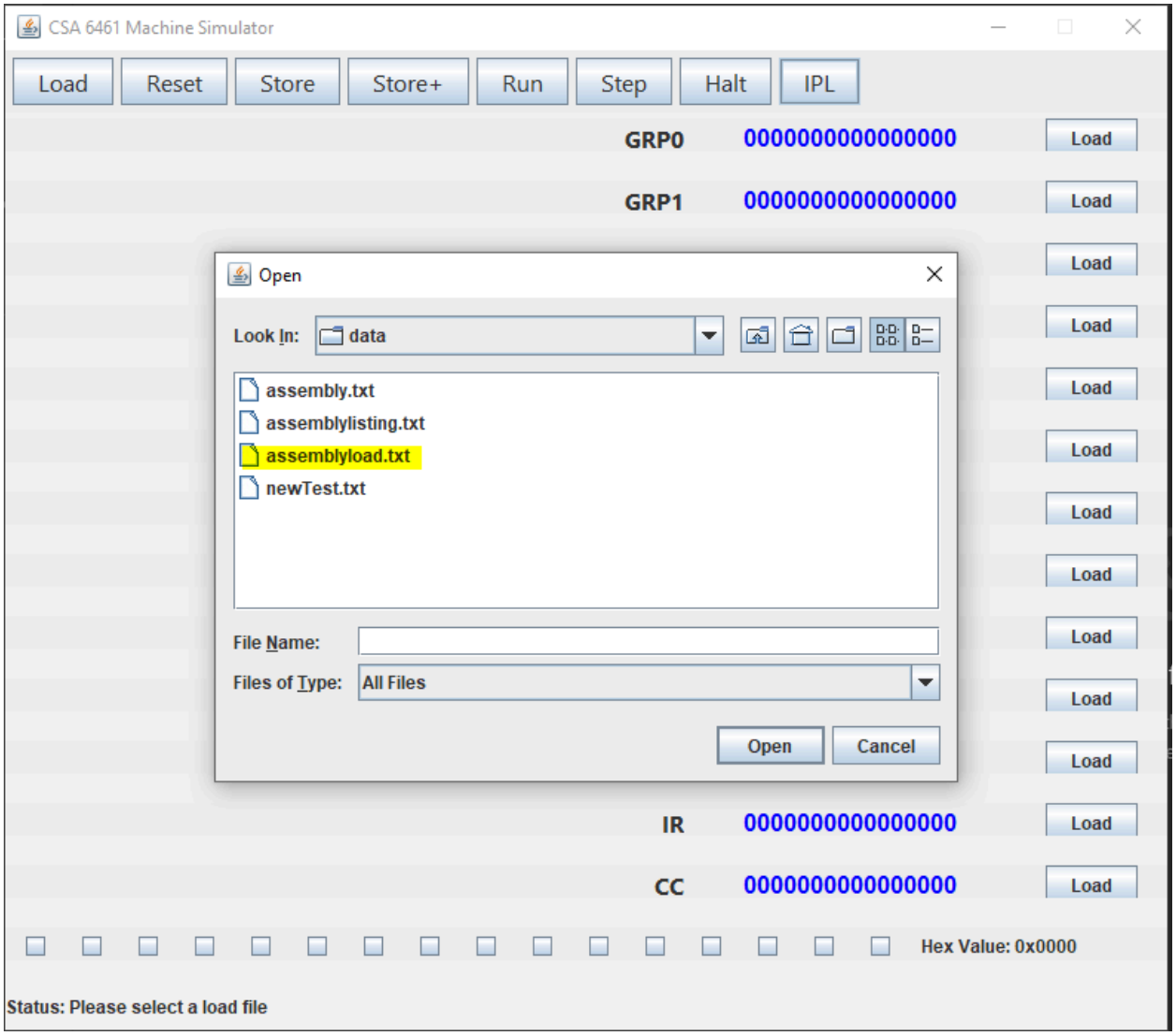
CSAProgrammingProjectPart1 >
- Source Code >
  - [=Contains Actual Source Code Directory]
- assemblyload.txt
- CSA6461Part1Team8.jar
- ProgrammingProjectPart1DesignNotes.pdf
- ProgrammingProjectPart1Usage.pdf

Source Code also uploaded to git repository:
https://github.com/insp7/csa6461Simulator

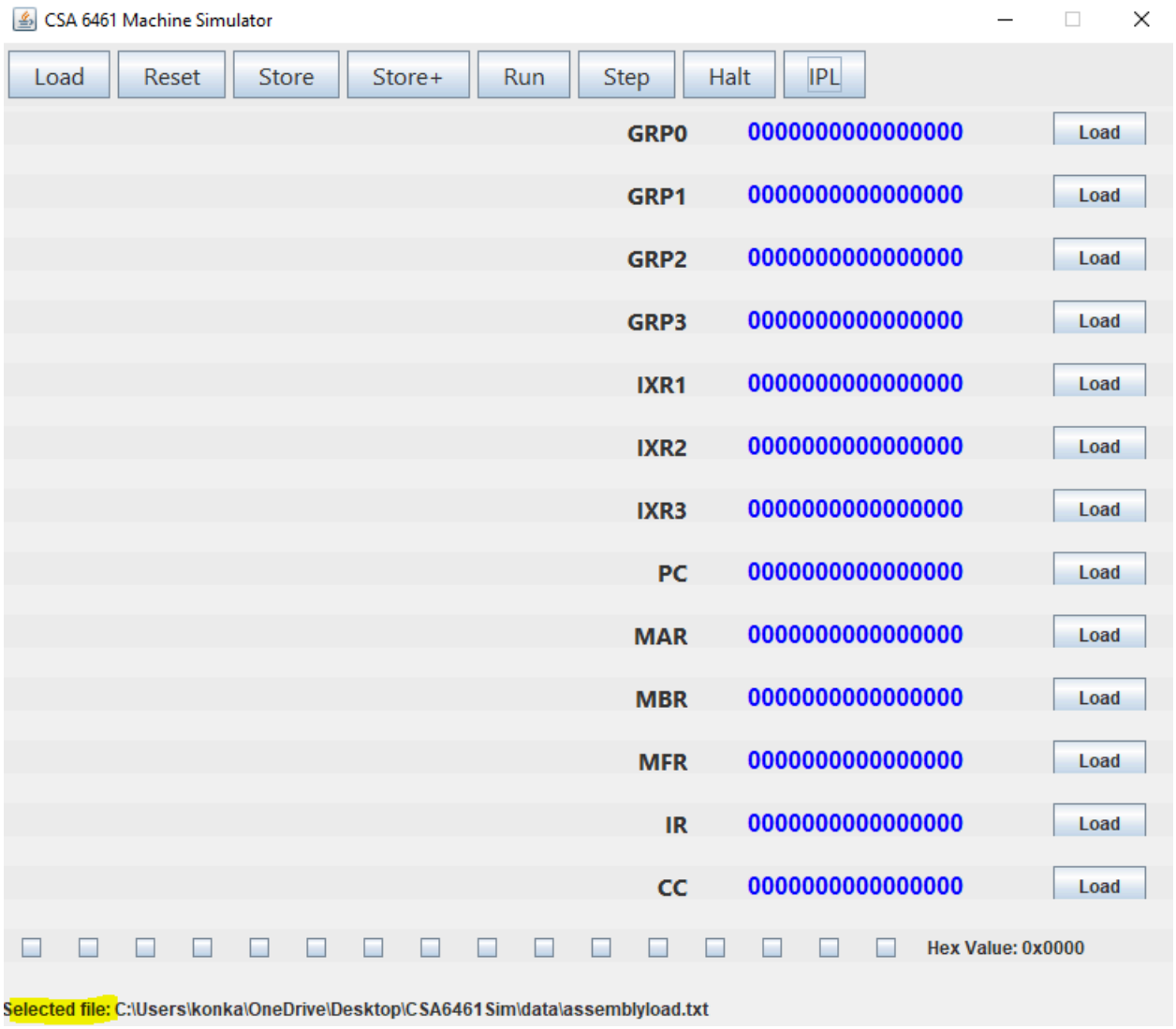
1. Execute `CSA6461Part1Team8.jar` (Can double click to run)
You will see the following output screen –



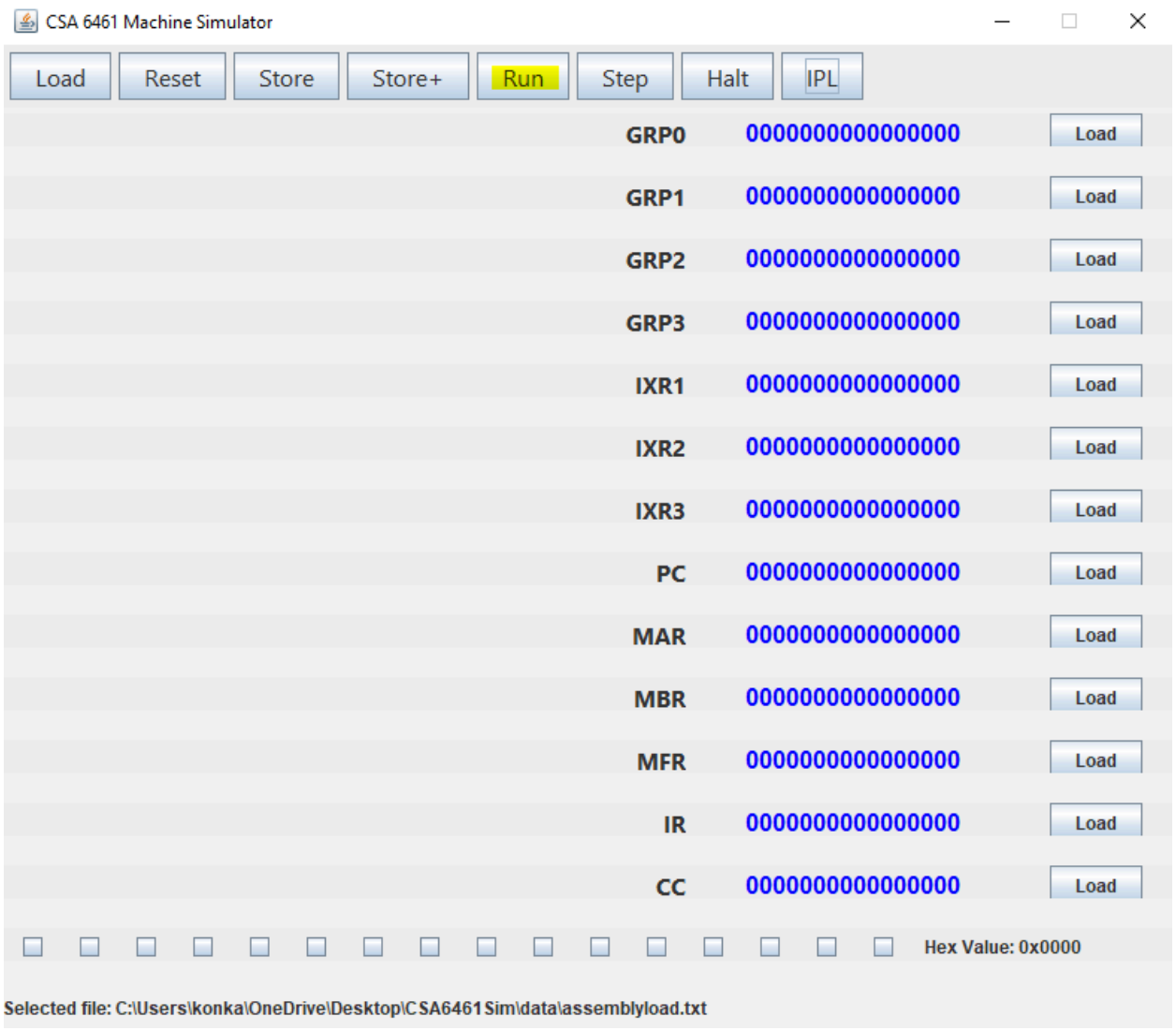
2. Click “IPL” Button at top and load the assembly load file(containing octal pairs) generated by the assembler. This assembly load file is named “assemblyload.txt”.



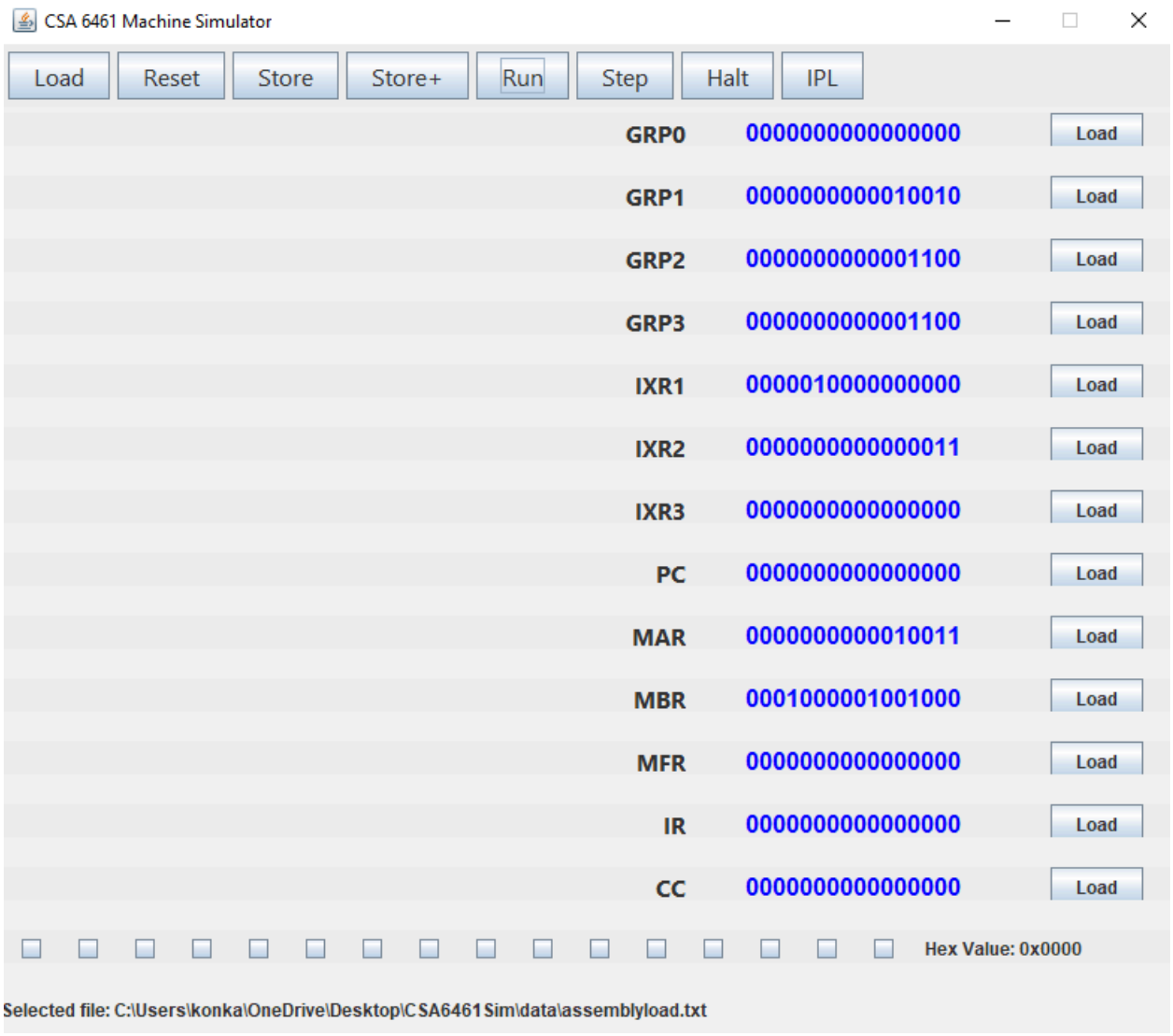
3. Confirm that the file is loaded properly by checking the status. It will mention the selected file name if it is loaded properly, else it will show error message.



4. Click “Run” to execute the program. It will start running and at the end of execution it will show the final updated contents of the register and memory.



5. Final Updated contents:



NOTE:

You can click the “Reset” Button to reset the registers and memory data.
You can execute in single “Step” mode, by clicking the step button. To do so, just load the assembly load file and then start clicking the “Step” button. Each click is corresponding to one execution step. After every click you can see the contents of the register and memory being updated.