Assembler Project

Total 100 Points

Project Detail:

- Write an assembler using the techniques described in your favorite language (It must be able to click and play from my office computer)
- Your program should print your name and any instructions needed to run it (user friendly)
- Name your files with your last name.
- To keep the assembler as simple as possible the following additional restrictions will be added if you want:
 - 1) the label (if present) will occupy the first 3 characters of a line (must be exactly 3 Characters)
 - 2) if a label is present the 4th character of the line will be a ",".
 - 3) The 3 character instruction or Pseudo instruction will occupy characters position 5-7 in every case
 - 4) If the Instruction is a Memory Reference Instruction (MRI), the reference will occupy characters position 9-11
 - 5) Postition 4 and 8 will always be blank
 - 6) If the instruction is an indirect MRI, the character at postion 13 will be an "I"
 - 7) No blank lines will be allowed
 - 8) Any comments should be preceded with a "/" and will occur no sooner than character 16
 - 9) Two files are expected to be generated by your assembler: symbol table and bin file.

Please submit the following items

- 1) Electronic copy: source and executable code to canvas
- 2) The Assembler Report Form (see next page)
- 3) Include any detailed instructions I may need to run and test you program.

A few example statements: