**Using the Visual Interpreter.**

This interpreter only works with the version 1A language (no labels or symbols) and is for Windows OS.

1. You need to rename the file to remove the .txt. D2L does not allow .exe files to be posted so I added an additional .txt. It needs to be removed to return it to an .exe

2. The formatting for the program file needs to be modified to work with the visual interpreter. The changes are simple and do not affect the instruction cards at all. I have posted a test program ptest_brent.dat that should load correctly as an example of the format needed.

   The formatting of the file is picky so you need to make sure to follow it or when you try to load the file it will tell you that the formatting is incorrect.

   Note: There can be NO blanks at the end of each line. I turned on view Endlines in Notepad++ to help me fine one that was giving me issues ☺

   a) Data cards and INPUT cards need to be a total of 10 char instead of 11.
   b) The separator cards are 10 instead of 11
   c) There is no separator card between the instructions and the input cards, instead there must be a STOP instruction as the last instruction card.
   d) There must be a separator card as the last card in the file.

Here is an example program in the visual format:

```
+000000000          ← 10 instead of 11  just remove a leading 0
+000000001
+000000050
+000000000
+000000000
+999999999          ← 10 instead of 11
+8000000100
+8000000200
+5200002004         ←  instruction are not changed at all !!
+1003200003
+7004100001
-8003000000
+9000000000         ←  no separator card after the STOP card
+000000003          ← 10 instead of 11
+000000005
+000000055
+000000020
+999999999          ← Must have separator card at the end !!
```

3. You can use the Visual Interpreter to help you debug your 1A code **BUT** the file you turn in must be in the original format, not the visual format !!!!!!