```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

    ∑ Python + ∨ □ 
    □ 
    ✓
D
         PS C:\Users\khale\OneDrive\Desktop\AAST\system proi1\New folder> & "C:/Program Files/Python310/python.exe" "c:/Users\khale\OneDrive\Desktop\AAST\system proi1\New folder>SIC instru
          ---SIC Simplified Instructional Computer Assembler---
          -----test program 2-----
          -----A simple SIC Assembler Pass1-----
          ----source program written in assembly language-----
              symbol instructions reference
Prog1 START 0x0
-- LDA ZERO
STA
LDX
                                            INDEX
                                            INDEX
                                  LDA
                                  STA ALPHA, X
LDA INDEX
ADD THREE
                                ADD
STA
COMP
                                            INDEX
K300
         10
11
12
13
14
15
16
17
                                           TWENTY
               INDEX
                                RESW
               ALPHA
ZERO
K300
                                RESW
WORD
                                              100
                                WORD
                                              100
              THREE
                                WORD
WORD
                                  End
                                            Prog1
           ------Assimply Program with loc-----
            loc symbol instructions reference
0x0000 Prog1 START 0x0
             0x0000
0x0003
0x0006
                                           LDA
STA
LDX
                                                      ZERO
INDEX
INDEX
                          LOOP
                                                  ZERO
ALPHA, X
INDEX
              0x0009
0x000c
                                            LDA
STA
                                            LDA
ADD
STA
              0x000t
              0x0012
0x0015
                                                      THREE
                                          COMP
TIX
JLT
                                                     K300
TWENTY
         9
10
11
12
13
14
              0x0018
              0x001b
0x001e
                                                       LOOF
             0x0021
0x0024
0x0150
                         INDEX
ALPHA
ZERO
                                          RESW
RESW
WORD
                                                        100
         15
16
             0x0153
0x0156
                         K300
THREE
                                          WORD
WORD
                                                        100
              0x0159
                        TWENTY
                                           WORD
          ---symbol taple---
                      0x0000
0x0006
0x0021
             Prog1
LOOP
INDEX
              ALPHA
ZERO
                      0x0024
0x0150
               K300
                      0x0153
                      0x0156
0x0159
                        --A simple SIC Assembler Pass2-
symbol instructions reference
Prog1 START 0x0
            9x9999
9x9999
9x9993
                         Prog1
                                           LDA
STA
                                                      ZERO
INDEX
                                                                    0x0c0021
                                            LDX
LDA
STA
              0x0006
                          LOOP
                                                      INDEX
                                                                   0x040021
              0x0000
0x000c
                                                  ALPHA, X
INDEX
THREE
              0x000f
0x0012
0x0015
                                            LDA
ADD
STA
                                                                   0x000021
0x180156
                                                      INDEX
                                                                   0x0c0021
                                          COMP
TIX
JLT
RESW
RESW
          9
10
              0x0018
0x001b
                                                     K300
TWENTY
                                                                   0x2c0159
          11
12
13
             0x001e
0x0021
0x0024
                                                       LOOP
                                                                   0x380006
                         INDEX
ALPHA
                                                        1
100
0
100
                                                              no obj. code
                         ZERO
K300
THREE
             0x0150
0x0153
                                          WORD
WORD
              0x0156
                                           WORD
             0x0159
0x015c
                                           WORD
End
                        TWENTY
                                                      Prog1
         PS C:\Users\khale\OneDrive\Desktop\AAST\system proj1\New folder>
500
```