HOMEWORK ASSIGNMENT SIC/XE ASSEMBLER

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□ SIC Assembler in C/C++:

- Pass 1 function: 60
  - Parse the source program
  - Calculate the address of each statement
    - Show it with the source program
  - Finish the pass 1
    - **Calculate the location value**
    - **Create the symbol table**

- Pass 2 function: 100
- Calculate the object code
  - Show it with the source program
- Produce the **final object program**

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☐ SIC Assembler in C/C++:

☐ **Bonus**

- SIC/XE (see section 2.2.1)
  - **Support all addressing modes and all instruction formats: 40**
  - **Program relocation: 15**

☐ **No cheat work** is acceptable

- You get zero if you copy other people's version