Unit 08_010 - Declaring multiples

- 1. What is an address?
- 2. In the listing we see text like the following. If we execute the program, will char3 be loaded at location 0003 in physical memory? Explain.

- 3. We have been using the term "variable" this semester. How are they similar to the idea of a variable in a high level language? How are they different? (I did not cover this explicitly in the video. Think about it.)
- 4. What does \$ mean when it appears before a label?
- 5. What does it mean when a register appears in (parenthesis)?
- 6. How are the \$ and () compliments of each other?
- 7. Explain the difference between the following two lines of code. What would be loaded into the register in each? Also, why doesn't (%rdx) change?

```
movb (%rbx), %dil
movq (%rbx), %rdi
```

If you have any lingering questions or problems, please write them here or see me.



