
cs281: Introduction to Computer Systems
Y86 Linked List Search

Assigned: Oct. 29, Due: Nov. 5 (midnight)

1. A most essential skill in this class is to understand proper stack use in assembler in regards to subroutine calls. This question was missed by many students on the exam. The purpose of this assignment is to require us to be sure we have learned this important skill.
2. We will implement the last exam question in Y86 assembler code.
3. Obtain the code `listfind.js` from the class webpage. You are to complete this program by filling in the code for the `sub` subroutine.
4. This program is the last exam question. Please submit by midnight on Wednesday, November 5. Email the professor your completed `listfind.js` code.
5. You should be sure that it works fully by testing it yourself with the `yas` and `yis` assembler and simulator respectively. Try different values as the search target (key).
6. You need to follow FULL stack conventions by setting up the proper frame structure (and dismantling it), using proper register conventions, and using proper parameter passing conventions.