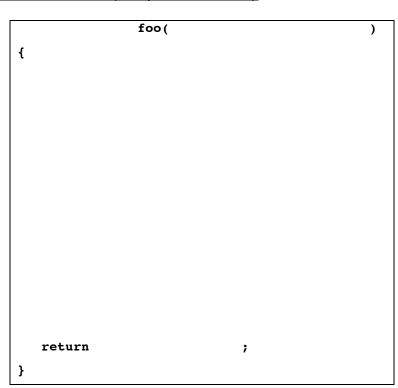
Name:	Login : cs61c	>	
Question 6: We're d	<u>eep, deep undercove</u>	er (10 pts, 25 min)	
message encoder in MIPŚ!	Go spy go! You have to impl	cies to make a really quick, super-portable blement an algorithm for encoding an ASCII be based on the following C code:	
<pre>void encryptThis(char* cl if(*cleartext == '\0'){ *cyphertext_buffer</pre>		t* cyphertext_buffer){	
	<pre>= *cypher + *cleartext; text, ++cypher, ++cyphert</pre>	text_buffer);	
that you shouldn't, \$ao corre cyphertext_buffer. You car	sponds to cleartext, \$al CC n assume that you will only b	anner in MIPS. Don't clobber any registers orresponds to cypher, and \$a2 corresponds be passed the usual types of ASCII values (by not need to use every blank).	
encryptThis:			

Name:	Login: cs61c-
indilio.	Logiii. Csoic-

Question 7: Meet my friend Andy Anderson... (10 pts, 25 min)

Main: # Set up \$a0 jal foo li \$v0, -1 foo: lbu \$t0, 0(\$a0) bne \$0, \$t0, done addi \$sp, \$sp, -8 sw \$ra, 4(\$sp) sw \$t0, 0(\$sp) addi \$a0, \$a0, 1 jal foo lw \$t0, 0(\$sp) and \$v0, \$v0, \$t0 lw \$ra, 4(\$sp) addi \$sp, \$sp, 8 done: jr \$ra



- a) What does the function foo return?
- b) In the box above, fill in the C code for the function foo. Be sure to include arguments and return values, along with their types.
- c) If we call your function foo like this: printf("%c", foo("Cal")); What will be printed?

d) What would foo do if we changed its first line to read "1i \$vo, o"?