

CSCI 341: Computer Organization  
WS 3: RARS basics

1	Why is the instruction syntax so rigid in assembly?
2	Use RARS to find another name for the .asciz assembler directive. State where in RARS you found it.
3	Write assembly code to print an integer. The integer is in s0 currently.
4	Go through the RARS help menu and find an interesting pseudo instruction. Write it down here and explain what it does.
5	Go through the RARS help menu and find the ecall requirements for getting a random integer. List which registers need to be set, the values they need to be set to, and which register the random integer will be placed in.
6	Go through the RARS help menu and find the debugging section. Read it and answer the following questions. <ol style="list-style-type: none"><li>1. Can values be changed during execution of the program while in debug mode?</li><li>2. Is the labels menu displayed by default?</li><li>3. Can you step backwards in debug mode?</li><li>4. How do you set a breakpoint?</li></ol>