

Executable File Header			
	Text Size	400	# total combined text size
	Data Size	80	# total combined data size
	Address		
Text Segment	0040 0000 (the memory address for Procedure A's lw instruction)	lw \$a0, X(\$gp) X = 8000	# where X is the offset relative to the global pointer register to get to X in the data segment
	0040 0004 (the memory address for Procedure A's jal instruction)	jal B 0040 0300	# where B is the (psuedo-direct)address of the Procedure A in the text segment
	...		
	0040 0300 (the memory address for Procefdure B's lw instruction)	lw \$a1, Y(\$gp) Y = 7fa0	# where Y is the offset relative to the global pointer register to get to Y in the data segment
	0040 0304 (the memory address for Procedure A's jal instruction)	jal A 0040 0000	# where A is the (phuedo-direct) address of Procedure B in the data segment
	...		
Data Segment	Address		
	1000 0000	X	# the location of X in the data section
	1000 0060	Y	# the location of Y in the data section