















#=====	tatic data allocation	and initialization
# 5 #=====		
.data		
A:	.byte 1, 2, 3, 4	# Create space for A, and give # values in decimal: 1, 2, 3, 4
result:	.word 9	<ul><li># allocate 32 bits,</li><li># initialize to 9 for no good reasor</li></ul>

#	Program Text			
#===				
.text				
mair	ו:			
lb	\$t0, 0(\$a0)	#Set up so A's addr is in reg \$a0, load A[0]		
lb	\$t1, 1(\$a0)	#Get second element A[1]		
add	\$t0, \$t1, \$t0	#Add in second element		
lb	\$t1, 2(\$a0)	#Get third element A[2]		
add	\$t0, \$t1, \$t0	#Add in third element		
lb	\$t1, 3(\$a0)	#Get fourth element A[3]		
add	\$t0, \$t1, \$t0	#Add in fourth element		
sw	\$t0, 0(\$a1)	#Set up so result's addr is in reg \$a1, save		





