Liam Leece Drew Pulliam

1- For the following C statement, what is the corresponding MIPS assembly code? Assume that the variables f, g, h, i, and j are assigned to registers \$s0, \$s1, \$s2, \$s3, and \$s4, respectively. Assume that the base address of the arrays A and B are in registers \$s6 and \$s7, respectively.

2- For the MIPS assembly instructions below, what is the corresponding C statement? Assume that the variables f, g, h, i, and j are assigned to registers \$s0, \$s1, \$s2, \$s3, and \$s4, respectively. Assume that the base address of the arrays A and B are in registers \$s6 and \$s7, respectively.

- 3- Translating the MIPS assembly instructions in question 2 to a machine instruction
- 4- Assume that k correspond to register \$s0 and the base of the array v is in \$s1. What is the MIPS assembly code corresponding to this C segment?

If 
$$(V[K] < V[K+1])$$
 and \$\$\forall 50, \$\$0, \$\$\forall \$

EXT!

SII	0	0	(6)	8	2	0
660	9	21.	8	1 8		32
511	0	0	17	9	2	
add	5	1 22.	49	19	10	732
LW	35	8	16		0	
addi	8	18	10		4	
LW	35	10	18		0	
add	0	16	8	8	0	32
sw [	43	9	8		0	