

CSCI 341: Computer Organization
WS4: Memory Access Instructions

1	Consider an array A of integers, whose base address is 2000, which is stored in s3. g is stored in s1, h is in s2. Consider the instruction: $A[9] = g + h;$ What assembly will this result in, in the compiled code?
2	B is a character array. Assume the base address for B is in s4. What is the assembly for $B[3] = B[3] + 32$? Hint, use these steps: <ul style="list-style-type: none">• Load B[3]• Add• Store to B[3]