1. Write MIPS assembly language code for the C language instruction:

   \[ A = B[C] + 5 \]

   Where the base address of B is in $s0, the value of C is in $s1, and the result (A) is to be placed in $s2.

2. Encode the following MIPS instruction. Show the contents of each field in hex.

   Add $t0, $s1, $zero

3. Encode the following MIPS instruction. Show the contents of each field in hex.

   Addi $s1, $s2, -22_{10}