613 Spring 2012 Homework Assignment 2   Due 25 Jan 2012

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}