

United International University (UIU)
Dept of CSE
CSE 313: Computer Architecture
Summer 2020, Section B
Assignment 2

Full Marks: 10

For this assignment, you'll need to modify a standard data-path so that it can support the slt operation. Assume that the ALU can only perform addition and subtraction. You can customize the output of the ALU as you will. The format of slt is the following.

slt \$t1, \$t2, \$t3

When the instruction is executed, if ($\$t2 < \$t3$) then the value of \$t1 is assigned 1, and 0 otherwise.