CSED211 Homework #2, Due Oct 8, 2022

1. Exercise 3.59 on page 347
2. Exercise 3.61 on page 349.
   Attach your c-code and compiled assembly code to show that the generated code uses a conditional move.
3. Exercise 3.63 on page 350
4. Modified Exercise 3.64 on page 352 (solve A & B for the following code)
   ```
   leaq    (%rsi, %rsi, 4), %rax
   leaq    (%rsi, %rax, 2), %rax
   movq    %rdi, %rsi
   salq    $6, %rsi
   leaq    (%rsi, %rdi, 2), %rdi
   addq    %rax, %rdi
   addq    %rdi, %rdx
   movq    A( , %rdx , 8), %rax
   movq    %rax , (%rcx)
   movl    $2640, %eax
   ret
   ```

5. Exercise 3.67 on page 354
6. Exercise 3.69 on page 357
7. Exercise 3.70 on page 358
8. Exercise 3.72 on page 359