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COSC 211 Lab 2

2/

a) Exercise 2.1

```
lw $t0, g  #g into register $t0
lw $t1, h  #h into register $t1
li $t2, 5  #Load 5 into register $t2
sub $t1, $t1, $t2 #subtract 5 from h, store in h
add $t0, $t0, $t1 #Add f and the result of h-5
sw $t0, f  # Store result in f
```

b) Exercise 2.2

```
// C code

int main() {
   f = g+h;
   f = i + f;
}
```

c) Exercise 2.3

```
sub $t0, $t3, $t4  # Loads i-j into register $t0
sll $t0, $t0, 2  #Shift left 2^4
add $t0, $t0, $s6  # Adjusts the register location
lw $t0, 0[$t0]  #add t0 to A
sw $t0, 32[$s7] # Loads A[i-j] into $t0, $t0 to B[8]
```

d) Excercise 2.9

```
lw $t0, 0($s3) #Load A[i] into $t0
lw $t1, 0($s4) #Load A[j] into $t1
add $t2, $t0, $t1
```