CPSC 260 ICA3 – Due Sunday 10/9 @ 11:59pm

Instructions:

Consider the following C-based psuedocode.

```
uint32_t x = 34;
uint32_t y = 27;
uint32_t z = 19;
uint32_t u = y;
uint32_t v = x - z;
x = x - z + y - z;
y = y + x - z;
```

Write an equivalent assembly language program such that:

- registers %r8d through %r12d are used to hold the values of variables x, y, z, u, and v, respectively
- only register %eax is used for temporary storage of addition and subtraction results
- for instance, x = x - y should be performed by: (1) storing the value in the register for x into register %eax; (2) subtracting the value in the register for y from %eax and storing the result back into %eax; and (3) moving the value in %eax into the register used for x

Submission:

Upload your .s file as well as a screenshot showing the final result of the variable y (stored in %r9d).

Please create a tag and a release on github for your final submission, marking it as complete.