RISC-V Assembly Programming - Functions

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1 Lab Assignment 2 (Graded)

- Write a RISC-V assembly program that defines the function:
 int matmul(int *A, int *B, int *C);
 Here A, B and C are 3 × 3 matrices, and C = A × B. The function returns 0 if at least one of the element is 0, and 1 otherwise. Write the program in a file named asms/5-matmul.s. You can start with the template code given previously, but make sure that matmul() is a separate function that is called from main() (and adheres to the RISC-V calling conventions).
- 2. Write a recursive code to compute the factorial of a number. Write the program in a file named asms/6-fact.s. You can start with the template code given previously, but make sure that fact() is a separate function that is called from main() (and adheres to the RISC-V calling conventions).