Objectives

- Learn to write functions in assembly that follow the CDECL calling convention.

Procedure

1. Write an assembly function named `hypotenuse` that computes the length of the hypotenuse of a right triangle. The function should take as arguments the lengths of the two legs of the triangle. It should then return the length of the hypotenuse. The C++ prototype for the function is:

   ```
   double hypotenuse(double x, double y);
   ```

   Write C++ and assembly drivers for the function. The drivers should prompt for the two leg lengths of a right triangle and then display the hypotenuse length.

2. Write an assembly driver that calls the C++ math function `pow` to compute the value of the number $x$ raised to the $y$ power. The driver should prompt the user for $x$ and $y$ and then display the result.