Examples for Assembly Coding

1. Write an Assembly code to return the cube of a given number.

2. Write an Assembly code to return the length of the hypotenuse of a right-angled triangle given 2 numbers. (Choose the closet integer value output)

3. Write an Assembly code to generate a Fibonacci sequence up to N numbers starting with 0 and 1.

4. Write an Assembly code to return dot product of vector $(-4 \quad 2 \quad 9 \quad 1) \cdot \begin{pmatrix} 2 \\ 5 \\ 1 \\ 3 \end{pmatrix}$