LAB 3

Individual/independent

1. **Copying a Word Array to a DoubleWord array**
   Write a program that uses a loop to copy all the elements from an unsigned Word (16-bit) array into an unsigned doubleword (32-bit) array.

2. **Fibonacci Numbers**
   Write a program that uses a loop to calculate the first seven values of the Fibonacci number sequence, described by the following formula:

   $$\text{Fib}(1) = 1, \text{Fib}(2) = 1$$

   $$\text{Fib}(n) = \text{Fib}(n-1) + \text{Fib}(n-2)$$