CSCE 155 - Lab 11 - Encapsulation & Structures - Worksheet

Names: _____

1. Test your palindrome program on the following inputs:
   (a) `abba`
   (b) `aaba`
   (c) `foobar`
   (d) `civic`
   (e) `civil`
   (f) `foo`
2. Fill out the following table with the specified values using the `recursiveFunction` program.

Table 1: My caption

n	$f(n)$	Time (sec)
0		
1		
2		
5		
10		
20		
30		
40		
42		
44		
46		
48		

3. Without actually running it, make a prediction on how long it would take to run the program for $n = 50$. How long would it run for $n = 100$?
4. What values do you get for each of the following inputs with your Jacobsthal program?
   (a) $n = 0$
   (b) $n = 1$
   (c) $n = 5$
   (d) $n = 10$
   (e) $n = 20$
   (f) $n = 32$
5. Demonstrate your working programs to a lab instructor.

Lab Instructor Signature_____