**CSC 241**

**Lab #6**

**Due: 10 minutes after lab**

1. Implement function prime() that takes a positive integer as input and returns True if it is a prime number and False otherwise.

For example: prime(2) would return True

prime(17) would return True

prime(21) would return False

2. Implement function *fib()* that takes a non-negative integer *n* as input and returns the *n*th Fibonacci number. The Fibonacci sequence we will start with is 1. (Some people start their sequence with a 0.) Thus, the sequence would be: 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, …

fib(1) 🡪 1

fib(4) 🡪 3

fib(8) 🡪 21