

COSC 251 – Programming Languages
Project 3
Spring 2016

Objective: Chicken chicken chicken chicken chicken. Chicken chicken chicken.

Your Task: Use Chicken to create two “functions” for math stuff you are very familiar with. You’ll need to create two segments of code, one for factorial(n) and one for Fibonacci(n). As a note, there’s no recursion built in to Chicken, so you’ll need to do the iterative version of these functions. n here is an integer ≥ 1 . n will be taken in via user input via the interpreter (see the interpreter linked via the webpage). For each, simply print the result to the screen. Assume that Fibonacci(1) and Fibonacci(2) are 1.

That’s it. No comments required but please divide your code using the following notation:

```
# Start of factorial #  
code goes here  
# End of factorial #
```

```
# Start of Fibonacci #  
code goes here  
# End of Fibonacci #
```

The good news? If you solve one, you have most of the other.

Deliverables: your Chicken source. It should work with the interpreter/compiler linked on the course page.

Expectations: The code should run and perform the task assigned. That’s about it. That’s about all I can expect. If you use an outside source, be sure to document that source as a note attached to your submission. Significant use of outside sources will result in a deduction. You are allowed to work in pairs for this project. If you choose to work with someone, one member of the pair should email me that information by 5:00pm, March 22nd.

Rubric: Does it work? 100. Does it not work? -50 for each incorrect “function”.

Learning Targets: Esoteric language experience. Brain-melting programming paradigm experience.

DUE: March 31st, 11:59pm via Blackboard