COSC 251 – Programming Languages
Project 3
Spring 2018

Objective: Fibonacci! In Space!

Your Task: Use InSpace 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 InSpace, so you'll need to do the iterative version of these functions. n here is an integer >= 1. n will be hardcoded as an asteroid call before each segment of code (see below). For each, simply print the result to the screen. Assume that Fibonacci(1) and Fibonacci(2) are 1.

That's it. Please divide your code using the following notation:

```
asteroid(n)(10)
comment Start of factorial::
code goes here
comment End of factorial::

asteroid(n)(8)
comment Start of Fibonacci::
code goes here
comment End of Fibonacci::
```

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

Deliverables: your InSpace source. It should work with the compiler linked on the course page.

Expectations: The code should run, be well-commented, and perform the task assigned. That's about it. That's about all we can expect. If you use an outside source, be sure to document that source. 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 Lindsay or me that information by 5:00pm, March 22nd.

Rubric: Does it work? 100. Does it not work? -50 for each incorrect "function". -20 for lack of comments.

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

DUE: March 30th, 11:59pm via Blackboard
Question cutoff: March 30th, 5pm