1D Fouriers equation in Python

Files will be located in /Users/Nicholas/Documents/Python/Argon

Plan:

Divide the program structure into five different scripts:

1. Calling functions
2. Parameters
3. Initial Condition
4. Grid
5. Upwind Scheme

Current goal. Define the starting parameters and test that they are all there. Then build a function to read them into the “caller” script.

Note: assigning to a function call is illegal in Python

Solution: instead of a variable u in terms of i, make a two element tuple (u,i), and operate on u according to the function of i.