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**CSE 4344 Lab # 2 – Distance Vector Routing**

**Contents:**

The zip file contains 4 items:

* + 2 python-3 files (main.py, node.py)
  + 1 text file; this is the file I used as input (network.txt)
  + 1 PDF file (this write-up)

**To execute:**

To execute the code, run the following in the command line:

python3 main.py network.txt

*Note: The network.txt file can be replaced with any other input file name*

**Expected behavior:**

* The program should launch and display a selection screen to let the user choose the mode
* There are two available mode
  + Auto Mode – where the program runs thorough the iterations behind the scenes and displays the tables in the stable state
  + Step Mode – where the program iterates through the steps and displays the tables at each iteration
* While in step mode, press the return key to iterate through steps; type ‘quit’ and press return key to exit out.
* In step mode, the program will notify the user when a stable state is reached.

**Assumptions:**

**Known issues:**

**References:**