**CCGC 5002- Lab 3 – due Week 4, Saturday by 11:30pm**

Compile solutionsinto a single word/pdf file and upload in the Lab 3 folder under Assignments tab of Blackboard.

Q1. Read the notes Networking Concepts and Mininet to understand how Openflow switch works. Write in your own words the difference between traditional switch and Openflow switch.

Q2. Complete the supplied “LAB-ring-topo” python file to build a ring topology. You need to fill out the Build method to add switches, hosts and links. Take screenshots of your successful run and the added code. [Ping may fail due to loop]

RING Topology(Loop),

Switch1-----Switch2------Switch3-----Switch4-----Switch1

Switch1-----Host1

Switch2-----Host2

Switch3-----Host3

Switch4-----Host4

MAC, IP, Controller, CLI stuff configured

Q3. Find appropriate place in the supplied LAB-link\_changes python file and add two lines of code to do the following:

1. Bring the Link s3 to s4 up
2. Ping all

Take screenshots of your successful run and the added code.