Steps to start the Routing and load balancing Application:

Start two Virtual Machines.

1. Start the Floodlight Controller on virtual Machine 1.
2. Start the Mininet1 on virtual Machine 1.
3. Start the Mininet 2 on virtual Machine 2.

Note: These two Mininets are controlled by single floodlight controller.

1. Use Custom.py file to create custom topology.
2. Try tunneling between the two switches which are in different Mininets. (follow the steps in document for gre tunneling).
3. Configure snort on one of the Virtual Machine. (follow the steps in the document for configuring the snort).
4. Start the routing and load balancing application using the python file LoadBalancer\_Floodlight.py.
5. Select the source and destination. (Source is in Mininet 1 and destination is in Mininet 2).
6. Start the traffic between source and destination using Iperf, or scapy tool. (use xterm to start the terminal of source and destination).
7. Now traffic from source to destination is routed using shortest paths and load balancing is performed on these shortest paths.