Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	Hardware specifications	OS required
2	Ubuntu 18.04 (or other Linux Distribution)	Free	N/A	N/A	https://www.ubuntu.com/download	2GHz dual core processor or better 2GB System Memory 25GB of free hard drive space Installation media	Linux
2	Python 3.6+	Free	N/A	N/A	https://www.python.org/ (Note. Python 3.6 is pre-installed with Lots of Linux Distribution)	N/A	Linux

2	VIRL (optional if you have other lab equipments)	Proprietary	No trial version	$199 /year	https://learningnetworkstore.cisco.com/virtual-internet-routing-lab-virl	https://learningnetworkstore.cisco.com/virlfaq/hardware	See requirements

Detailed installation steps (software-wise)

1. Ubuntu Installation Steps: https://tutorials.ubuntu.com/tutorial/tutorial-install-ubuntu-desktop#0
2. Python 3.6 pre-installed with Ubuntu 18.04
3. Cisco VIRL (optional) installation steps: http://virl.cisco.com/

* Other required software and installation steps will be provided in the respective chapters related to the topic