# Lab Manual 3

**Study of basic network command and Network configuration commands**

**CLO 1**

## Objective:

1. In-depth understanding of the OSI model
2. Knowledge of Cisco Packet Tracer commands for routing etc

## Reading Material:

1. <https://www.netwrix.com/cisco_commands_cheat_sheet.html>

## Lab Task:

1. Understand and implement the commands of routing and configuration on Cisco packet tracer, take screenshots of minimum 20 commands, and paste the output into a Word file.

The commands must include the following commands:

* Ping
* traceroute
* enable
* configure terminal
* hostname
* shutdown
* show vlan
* exit
* write memory

Read the description of the commands from blogs for a deep understanding as a quiz will be conducted about these in the lab.

## Submission:

A word file with all the commands and a screenshot of their output. Plagiarism will result in negative marking. Write the description of commands in your own words. The file name should be according to following format: “2021-CS-000-Name-Section X-Lab4”. Submit the file on Google Classroom.

## Home Task:

Read the blogs about the OSI model. Describe its layers and their working in your own words. Write the responsibility of each layer. Also, compare the OSI model and TCP/IP. Submit a Word file of the same format on Google Classroom.