

## LAB-2

**ipconfig:** Shows PC IP address

**ping ip\_address:** Get a reply from the given ip address

## LAB-3

**arp -a:** shows the ARP table.

**Ipconfig -all:** Shows a detailed information

**cls:** clears the cmd window

## LAB-6

**en/enable:** Enables the router and gives administrator privilege.

**config:** Enter the config mode

**interface fa0/1(any interface):** Goes to config the fa0/1 interface of the router.

**no shut:** ups the link

**do wr:** saves the configuration

**exit:** goes to the previous step/folder

## LAB-7

**show ip route:** Shows which networks are connected to the router

**ip destinationIP subnetMask hopIP:** Creates that routers routing table

## LAB-8

**router OSPF process\_id:** Defines the ospf algorithm/protocol

**network directly\_Connected\_Network wildcard\_mask area area\_number:** adding the directly connected networks to the routers routing table.