NETWORK BASICS
    In the N/W system maintains the FQDN (Fully Qualified Domain Name).
FQDN = Host Name + Domain Name

To chance the Host Name
1) Temporarily :

To check the hostname
hostname

To change the hostname
hostname server.bharath.com

2) Permanently :
To change the hostname Permanently:
# vi /etc/sysconfig/network
  Networking=yes
  Hostname=server.bharath.com

Note : For avoiding graphical problems the host name should be change at
below configuration file also
vi /etc/hosts
192.168.0.2 server.bharath.com

* To check the ip address
# ifconfig eth0

To change the IP address Temporarily
ifconfig eth0 <ipaddress> netmask <default subnetmask> up
ex : # ifconfig eth0 192.168.0.50 netmask 255.255.0 up

To change the IP address permanently
We can change the IP address permanently in CLI based as well as GUI
based

At GUI we can change ip address permanently using below commands
1) # neat
2) # system-config-network &

At CLI we can change ip address permanently using below commands
1) neat -tui
2) system -config-network-tui
3) setup
4) netconfig

To assign the virtual ipaddress
netconfig --device eth0 <virtual ip> up
ex : netconfig --device eth0 192.168.0.100 up

To check the NIC card detected or not
ethtool <ethernetcard>
ex : ethtool eth0

To disable the NIC card
ifdown eth0

To enable NIC card
ifup eth0

For NIC card :

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# cd /etc/sysconfig/network-scripts/
# Is
# cat ifefg-eth0

For DNS : vi /etc/resolv.conf
          nameserver <dns-ip-Adrs>
ex : nameserver 192.168.0.1

To Manage the Services Temporarily
To stop/start/restart the services
# service <service name> <stop/restart/start>

To stop the nfs service
# service nfs stop

To check the particular service status
# service <servicename> status
ex : # service nfs status

To check all the services status:
# service --status-all

To Manage the services Permanently:
To check the all service status :
# chkconfig --list

To check the particular service status
# chkconfig --list <servicename>
# chkconfig --list nfs

To enable /disable the service :
# ckconfig --level <run levies> <service name> <on/off>
ex: # chkconfig --level 146 nfs off

The above example disables the nfs service in run levels 1,4,6

# chkconfig --level 235 nfs on
The above example is used to enable the nfs service in run levels 2,3,5

To check the services accessed by the foreign systems :
# netstat -ant

To see port numbers of all services
# vi /etc/services

To login remotely using ssh
# ssh <destination system ip>
Ex : ssh 192.168.0.2 (to logon to the system 192.168.0.2 using ssh)
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