**1. How will you solve these common problems when a site is not working correctly?**

**i. Is your web server installed?**

$ telnet hostname 80

$ service apache2 status

$ service httpd status

**ii. Is the web server running?**

$ curl -s -I duckduckgo.com|grep Server

**iii. Is the syntax of your web server configuration files correct?**

$  /usr/sbin/apache-perl -t

**iv. Are the ports you configured open (not blocked by a firewall)?**

$ netstat -a -n

$ netstat -an |grep portnumber

**v. Are your DNS settings directing you to the correct place?**

$ host -t A example.com

$ host -t AAAA example.com

**vi. Does the document root point to the location of your files?**

**Document root /var/www/new**,

**vii. Is your web server serving the correct index files?**

**viii. Are the permissions and ownership of the file and directory structures correct?**

$ ls -la /usr/local

**ix. Are you restricting access through your configuration files?**

**x. If you have a database backend, is it running?**

ps -ef | grep mysql

**xi. Can your site connect to the database successfully?**

**xii. Is your web server configured to pass dynamic content to a script processor?**

2. How to Find Web Server Type Running On a Linux or Windows Machine?

$ **curl -I** [www.linuxnix.com](http://www.linuxnix.com)

3. How to See Total Processes Are Running, Files Opened, Memory Used By A User? **$ ps -u username u // process run by a perticular user**

**$** [lsof](http://www.linuxnix.com/2009/05/lsof-command.html) **| grep username //** **files opened by user**

**$ ps -u username u | awk ‘{print $2}’ // memory used by a particular user**

4. How to Access the Web Server through a Hostname?

Check for the package installed or not

**$rpm -qa | grep httpd**

Install the package

**$yum install httpd**

Example host : server1.example.com // give A record for the server1.example.com

Create the root web directory and a test index.html for this testing.

$ mkdir /hostnamebase

$vi /hostnamebase/index.html // create index.html and try to write something in to that file then save the file.

$vi /etc/httpd/conf/httpd.conf // edit the httpd.config file

NameVirtualHost 192.168.0.1 // specify the NameVirtualHost

**$ service httpd restart**

check the site using **http://hostbase.example.com** on the browser.

5. How to Assign or Change Hostname in Linux and UNIX?

$ hostname

$hostname --fqd

$hostname NEW\_NAME

$vi /etc/hostname

Change the hostname

$/etc/init.d/hostname.sh start //start the script

$reboot