Q1. Create a new directory called "assignment1" in your home directory. Inside "assignment1", create a new file called "file1.txt". Append the text "Hello World" to "file1.txt".

Ans: A picture containing text, receipt, screenshot, algebra

Description automatically generated

Q2. Figure out how can you use nslookup to find name and IP address of SMTP server of gmail.com.

Ans: nslookup

> set type=MX

> gmail.com

Server: 10.112.16.144

Address: 10.112.16.144#53

Non-authoritative answer:

gmail.com mail exchanger = 40 alt4.gmail-smtp-in.l.google.com.

gmail.com mail exchanger = 10 alt1.gmail-smtp-in.l.google.com.

gmail.com mail exchanger = 20 alt2.gmail-smtp-in.l.google.com.

gmail.com mail exchanger = 5 gmail-smtp-in.l.google.com.

gmail.com mail exchanger = 30 alt3.gmail-smtp-in.l.google.com.

Authoritative answers can be found from:

. nameserver = c.root-servers.net.

. nameserver = i.root-servers.net.

. nameserver = j.root-servers.net.

. nameserver = l.root-servers.net.

. nameserver = e.root-servers.net.

. nameserver = d.root-servers.net.

. nameserver = a.root-servers.net.

. nameserver = f.root-servers.net.

. nameserver = b.root-servers.net.

. nameserver = h.root-servers.net.

. nameserver = k.root-servers.net.

. nameserver = g.root-servers.net.

. nameserver = m.root-servers.net.

j.root-servers.net internet address = 192.58.128.30

a.root-servers.net internet address = 198.41.0.4

m.root-servers.net internet address = 202.12.27.33

g.root-servers.net internet address = 192.112.36.4

K.root-servers.net internet address = 193.0.14.129

D.root-servers.net internet address = 199.7.91.13

c.root-servers.net internet address = 192.33.4.12

l.root-servers.net internet address = 199.7.83.42

B.root-servers.net internet address = 199.9.14.201

Q3. Create a compressed archive of the "assignment1" directory in your home directory. Save the archive as "assignment1.tar.gz". Delete the "assignment1" directory.

Ans:A screenshot of a computer

Description automatically generated

Q5: Create a new file called "assignment1.txt" using Vim. Type the text "This is my first Vim file" on the first line. Move to the second line and type "I am learning Vim". Save and exit Vim.

Ans:A screenshot of a computer

Description automatically generated