

# FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

## Department of Computer Engineering

### Course , Subject & Experiment Details

Academic Year	2024-25	Estimated Time	02-Hours
Course & Semester	T.E. (CMPN)- Sem VI	Subject Name & Code	CSS - (CSC602)
Module No.	03 – Mapped to CO- 3	Chapter Title	Cryptographic Hash Functions

Practical No:	10
Title:	Nslookup
Date of performance:	27/03/2025
Date of submission:	3/05/2025
Roll No:	9913
Name of the Student:	Mark Lopes

Sr. No	Rubric	Grade
1	On Time completion or submission(2)	
2	Prepardness(2)	
3	Skill(4)	
4	Output(2)	

Signature of teacher:

Date:

OUTPUT:

```
↳ nslookup google.com
Server:      192.168.2.1
Address:     192.168.2.1#53

Non-authoritative answer:
Name:   google.com
Address: 142.250.192.46
Name:   google.com
Address: 2404:6800:4009:828::200e
```

```
↳ nslookup google.com 8.8.8.8
Server:      8.8.8.8
Address:     8.8.8.8#53

Non-authoritative answer:
Name:   google.com
Address: 142.251.42.46
Name:   google.com
Address: 2404:6800:4009:829::200e
```

```
↳ nslookup -type=AAAA monkeytype.com; nslookup -type=a monkeytype.com
Server:      192.168.2.1
Address:     192.168.2.1#53

Non-authoritative answer:
Name:   monkeytype.com
Address: 2606:4700:20::681a:197
Name:   monkeytype.com
Address: 2606:4700:20::ac43:453d
Name:   monkeytype.com
Address: 2606:4700:20::681a:97

Server:      192.168.2.1
Address:     192.168.2.1#53

Non-authoritative answer:
Name:   monkeytype.com
Address: 172.67.69.61
Name:   monkeytype.com
Address: 104.26.1.151
Name:   monkeytype.com
Address: 104.26.0.151
```

```
↳ nslookup -type=AAAA hianime.com;\nnslookup -type=a hianime.com\nServer:          192.168.2.1\nAddress:         192.168.2.1#53\n\nNon-authoritative answer:\nName:   hianime.com\nAddress: 2606:4700:3033::ac43:92c9\nName:   hianime.com\nAddress: 2606:4700:3033::6815:219d\n\nzsh: command not found:\nServer:          192.168.2.1\nAddress:         192.168.2.1#53\n\nNon-authoritative answer:\nName:   hianime.com\nAddress: 172.67.146.201\nName:   hianime.com\nAddress: 104.21.33.157
```

```
↳ nslookup -type=AAAA wikipedia.org;\nnslookup -type=a wikipedia.org\nServer:          192.168.2.1\nAddress:         192.168.2.1#53\n\nNon-authoritative answer:\nName:   wikipedia.org\nAddress: 2001:df2:e500:ed1a::1\n\nServer:          192.168.2.1\nAddress:         192.168.2.1#53\n\nNon-authoritative answer:\nName:   wikipedia.org\nAddress: 103.102.166.224
```

```
↳ nslookup -type=AAAA hianime.com;
nslookup -type=a hianime.com
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
Name:   hianime.com
Address: 2606:4700:3033::ac43:92c9
Name:   hianime.com
Address: 2606:4700:3033::6815:219d

Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
Name:   hianime.com
Address: 172.67.146.201
Name:   hianime.com
Address: 104.21.33.157
```

```
↳ nslookup -type=AAAA monkeytype.com;
nslookup -type=a monkeytype.com
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
Name:   monkeytype.com
Address: 2606:4700:20::681a:197
Name:   monkeytype.com
Address: 2606:4700:20::ac43:453d
Name:   monkeytype.com
Address: 2606:4700:20::681a:97

Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
Name:   monkeytype.com
Address: 172.67.69.61
Name:   monkeytype.com
Address: 104.26.1.151
Name:   monkeytype.com
Address: 104.26.0.151
```



```
→ nslookup -querytype=mx monkeytype.com
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
monkeytype.com  mail exchanger = 20 mx2.zoho.eu.
monkeytype.com  mail exchanger = 10 mx.zoho.eu.
monkeytype.com  mail exchanger = 50 mx3.zoho.eu.

Authoritative answers can be found from:
```

```
→ nslookup -querytype=mx wikipedia.org
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
wikipedia.org    mail exchanger = 10 mx-in2001.wikimedia.org.
wikipedia.org    mail exchanger = 10 mx-in1001.wikimedia.org.

Authoritative answers can be found from:
```

```
→ nslookup -querytype=mx github.com
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
github.com       mail exchanger = 1 aspmx.l.google.com.
github.com       mail exchanger = 10 alt3.aspmx.l.google.com.
github.com       mail exchanger = 5 alt2.aspmx.l.google.com.
github.com       mail exchanger = 10 alt4.aspmx.l.google.com.
github.com       mail exchanger = 5 alt1.aspmx.l.google.com.

Authoritative answers can be found from:
```

```
[shadow@dark nslookup]$ arr=("monkeytype.com" "youtube.com" "wikipedia.org")

for i in "${arr[@]}"; do
    nslookup -type=ns "$i"
done
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
monkeytype.com  nameserver = tadeo.ns.cloudflare.com.
monkeytype.com  nameserver = dayana.ns.cloudflare.com.

Authoritative answers can be found from:

Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
youtube.com     nameserver = ns1.google.com.
youtube.com     nameserver = ns3.google.com.
youtube.com     nameserver = ns2.google.com.
youtube.com     nameserver = ns4.google.com.

Authoritative answers can be found from:

Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
wikipedia.org   nameserver = ns2.wikimedia.org.
wikipedia.org   nameserver = ns1.wikimedia.org.
wikipedia.org   nameserver = ns0.wikimedia.org.

Authoritative answers can be found from:
█
```

```
→ nslookup -querytype=soa wikipedia.com
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
wikipedia.com
    origin = ns0.wikimedia.org
    mail addr = hostmaster.wikimedia.org
    serial = 2024021317
    refresh = 43200
    retry = 7200
    expire = 1209600
    minimum = 3600

Authoritative answers can be found from:
```

```
→ nslookup -querytype=soa google.com
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
google.com
    origin = ns1.google.com
    mail addr = dns-admin.google.com
    serial = 736067841
    refresh = 900
    retry = 900
    expire = 1800
    minimum = 60

Authoritative answers can be found from:
```



```
→ nslookup -querytype=soa monkeytype.com
Server:          192.168.2.1
Address:         192.168.2.1#53

Non-authoritative answer:
monkeytype.com
    origin = dayana.ns.cloudflare.com
    mail addr = dns.cloudflare.com
    serial = 2366992768
    refresh = 10000
    retry = 2400
    expire = 604800
    minimum = 1800

Authoritative answers can be found from:
```

```
→ nslookup 127.0.0.1
1.0.0.127.in-addr.arpa  name = localhost.

Authoritative answers can be found from:
```

```
→ nslookup 8.8.8.8
8.8.8.8.in-addr.arpa    name = dns.google.

Authoritative answers can be found from:
```



```
→ nslookup monkeytype.com dns.adguard.com
Server:          dns.adguard.com
Address:         94.140.14.14#53

Non-authoritative answer:
Name:   monkeytype.com
Address: 172.67.69.61
Name:   monkeytype.com
Address: 104.26.0.151
Name:   monkeytype.com
Address: 104.26.1.151
Name:   monkeytype.com
Address: 2606:4700:99ea:7e1d:567e:0:93d4:e92b
```