

Task 1 — What is DNS?

Question 1 — What does DNS stand for?

R : Domain Name System

Task 2 — Domain Hierarchy

Question 1 — What is the maximum length of a subdomain?

R : 63

Question 2 — Which of the following characters cannot be used in a subdomain (3 b _ —)?

R : _

Question 3 — What is the maximum length of a domain name?

R : 253

Question 4 — What type of TLD is [.co.uk](https://www.co.uk)?

R : ccTLD

Task 3 — Record Types

Question 1 — What type of record would be used to advise where to send email?

R : MX

Question 2 — What type of record handles IPv6 addresses?

R : AAAA

Task 4 — Making A Request

Question 1 — What field specifies how long a DNS record should be cached for?

R : TTL

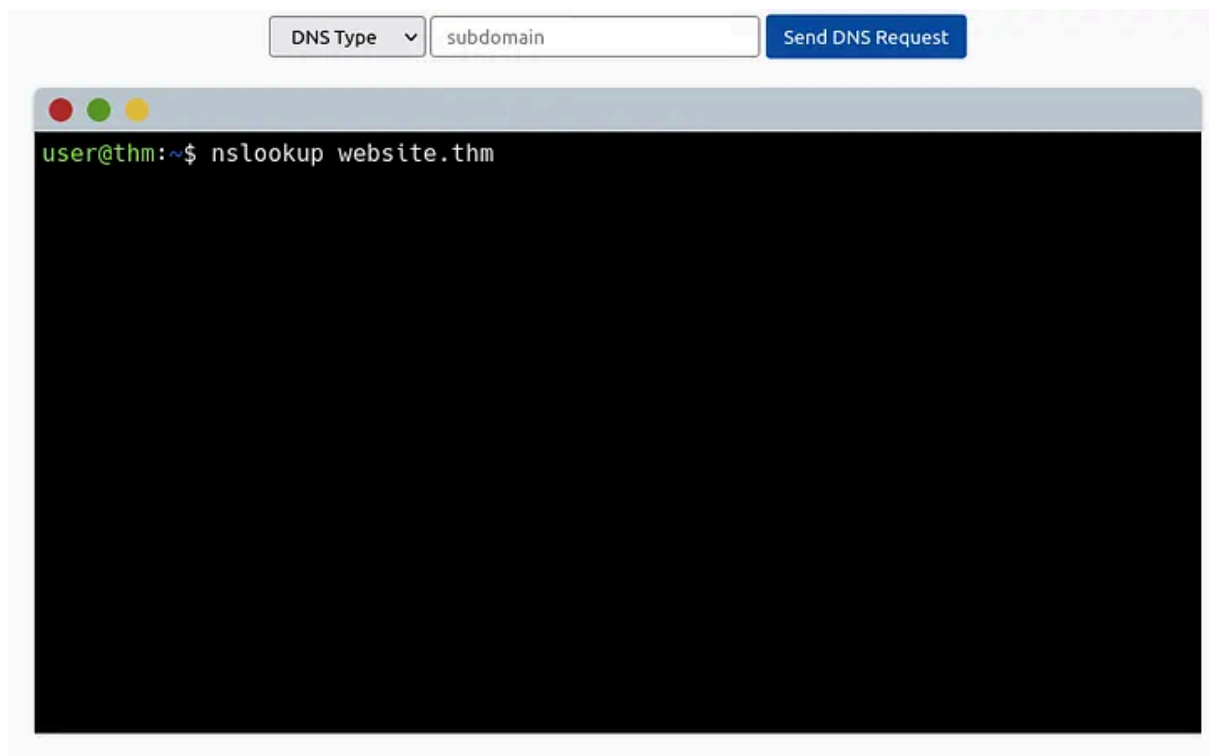
Question 2 — What type of DNS Server is usually provided by your ISP?

R : Recursive

Question 3 — What type of server holds all the records for a domain?

R : Authoritative

Task 5 — Practical



Question 1 — What is the CNAME of shop.website.thm?

```
user@thm:~$ nslookup --type=CNAME shop.website.thm
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
shop.website.thm canonical name = shops.myshopify.com
```

R : shops.myshopify.com

Question 2 — What is the value of the TXT record of website.thm?

```
user@thm:~$ nslookup --type=TXT website.thm
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
website.thm text = "THM{7012BBA60997F35A9516C2E16D2944FF}"
```

R: THM{7012BBA60997F35A9516C2E16D2944FF}

Question 3 — What is the numerical priority value for the MX record?

```
user@thm:~$ nslookup --type=MX website.thm
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
website.thm mail exchanger = 30 alt4.aspmx.l.google.com
```

R: 30

Question 4 — What is the IP address for the A record of

www.website.thm?

```
user@thm:~$ nslookup --type=A website.thm
Server: 127.0.0.53
Address: 127.0.0.53#53

Non-authoritative answer:
Name: website.thm
Address: 10.10.10.10
```

R: 10.10.10.10