

Exercise 1

```
(kali㉿kali)-[~/HW_2]
$ openssl req -new -x509 -sha256 -key mydomain.key -out mydomain.crt
```

You are about to be asked to enter information that will be incorporated into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN. There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.

```
Country Name (2 letter code) [AU]:RO
State or Province Name (full name) [Some-State]:Brasov
Locality Name (eg, city) []:Brasov
Organization Name (eg, company) [Internet Widgits Pty Ltd]:company
Organizational Unit Name (eg, section) []:section
Common Name (e.g. server FQDN or YOUR name) []:test
Email Address []:test@email.com
```

Exercise 2

```
(kali㉿kali)-[~/HW_2]  
$ openssl req -new -x509 -sha256 -key mydomain.key -out mydomain.crt -subj "/C=R0/ST=Brasov/L=Brasov/O=company/OU=section/CN=test.com"  
-(kali㉿kali)-[~/HW_2]  
$
```

Exercise 3

[illegible]

Exercise 4

Certificate Viewer: thomann.de

General

Details

Issued To

Common Name (CN)	thomann.de
Organization (O)	<Not Part Of Certificate>
Organizational Unit (OU)	<Not Part Of Certificate>

Issued By

Common Name (CN)	WE1
Organization (O)	Google Trust Services
Organizational Unit (OU)	<Not Part Of Certificate>

Validity Period

Issued On	Tuesday, June 17, 2025 at 3:15:38 PM
Expires On	Monday, September 15, 2025 at 4:15:36 PM

SHA-256 Fingerprints

Certificate	33c66da699f69f0e628954d674eb8f1b8461cee1fd99a0ae1fd7e353d7a41ac4
Public Key	0f8d6e7966d3911aaf2e0daadb2ded95f1dd54ebfe12466c78644ab76669bded