```
  ┌──(kali㉿kali)-[~/exp4]
  └─$ openssl verify -CAfile certficate.crt certficate.crt
certficate.crt: OK

  ┌──(kali㉿kali)-[~/exp4]
  └─$
```

```
  ┌──(kali㉿kali)-[~/exp4]
  └─$ openssl genpkey -algorithm RSA -out privtae.key -pkeyopt rsa_keygen_bits:2048
......+...+..+.......+.....+....+.........+.+.........+.+....+...+.....+.+....++++++++++++++++++++++++.+..+....+...
....++++++++++++++++++++++++++++*....+....................+....?...+...+......+........+....+...+..+.+.....+...+...+.......+...+...+..
..+.+...+....................+......+...+...+......+.+.....+.+.+.+++++++++++++++++++*.....++++++++++++++++*..+...+.+..+...+...........
...+..+.+..+............+.......+.....+...+.++++++++++++++++++++++++++++*.....+.+.........+...+.......+...+...+..........+...+......+..
...+...+..........+...+.+...+.....+....+...+.......+..+....+.+......++++++

  ┌──(kali㉿kali)-[~/exp4]
  └─$ ls
privtae.key
```

```
  ┌──(kali㉿kali)-[~/exp4]
  └─$ openssl req -new -x509 -key privtae.key -out certficate.crt -days 365
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]:United Kingdom
String too long, must be at most 2 bytes long
Country Name (2 letter code) [AU]:UK
State or Province Name (full name) [Some-State]:London
Locality Name (eg, city) []:Greenwich
Organization Name (eg, company) [Internet Widgits Pty Ltd]:chanel
Organizational Unit Name (eg, section) []:manager
Common Name (e.g. server FQDN or YOUR name) []:Krishna
Email Address []:chanel
```