

TO CREATE, EXPORT AND VALIDATE A DIGITAL CERTIFICATE.

AIM: To write a code to Create, Export and Validate a digital Certificate.

STEPS:

- 1.Download and Install openssl
- 2.Add its bin path in environmental variable
- 3.Open command prompt

PROGRAM:

```
C:\User\Ritesh\Desktop>openssl req -x509 -days 365 -newkey rsa:2048 -keyout  
private-key.pem -out certificate.pem
```

Enter PEM Pass: 123456

Country Name (2 letter code) []: IN

State or Province Name (full name) []: Maharashtra

Locality Name []: Mumbai

Organization Name []: SIWS

Organizational Unit Name []: IT

Common Name []: TMD

Email Address []: patwaritesh@gmail.com

```
C:\User\Vaishnavi\Desktop> openssl pkcs12 -export -in certificate.pem -inkey  
private-key.pem -out TMD.pfx
```

Enter Export Password: 123456

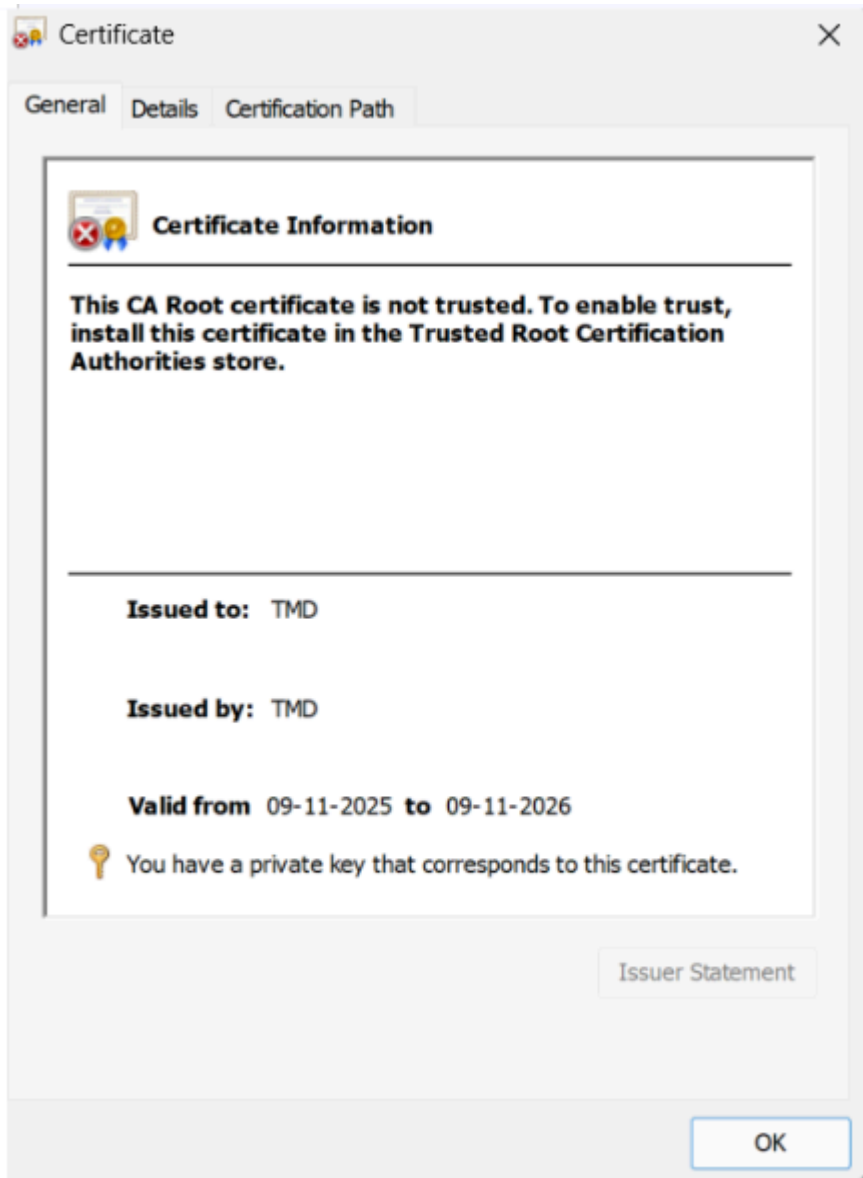
Verifying - Enter Export Password: 123456

```
C:\User\Vaishnavi\Desktop> openssl pkcs12 -in TMD.pfx -clcerts -nokeys -out  
public-key.pem
```

Enter Import Password: 123456

Import the certificate

OUTPUT:



Conclusion:  
The above creation is done successfully.