

Final Year B. Tech., Sem VII 2022-23

Cryptography And Network Security

PRN/ Roll No: 2020BTECS00206

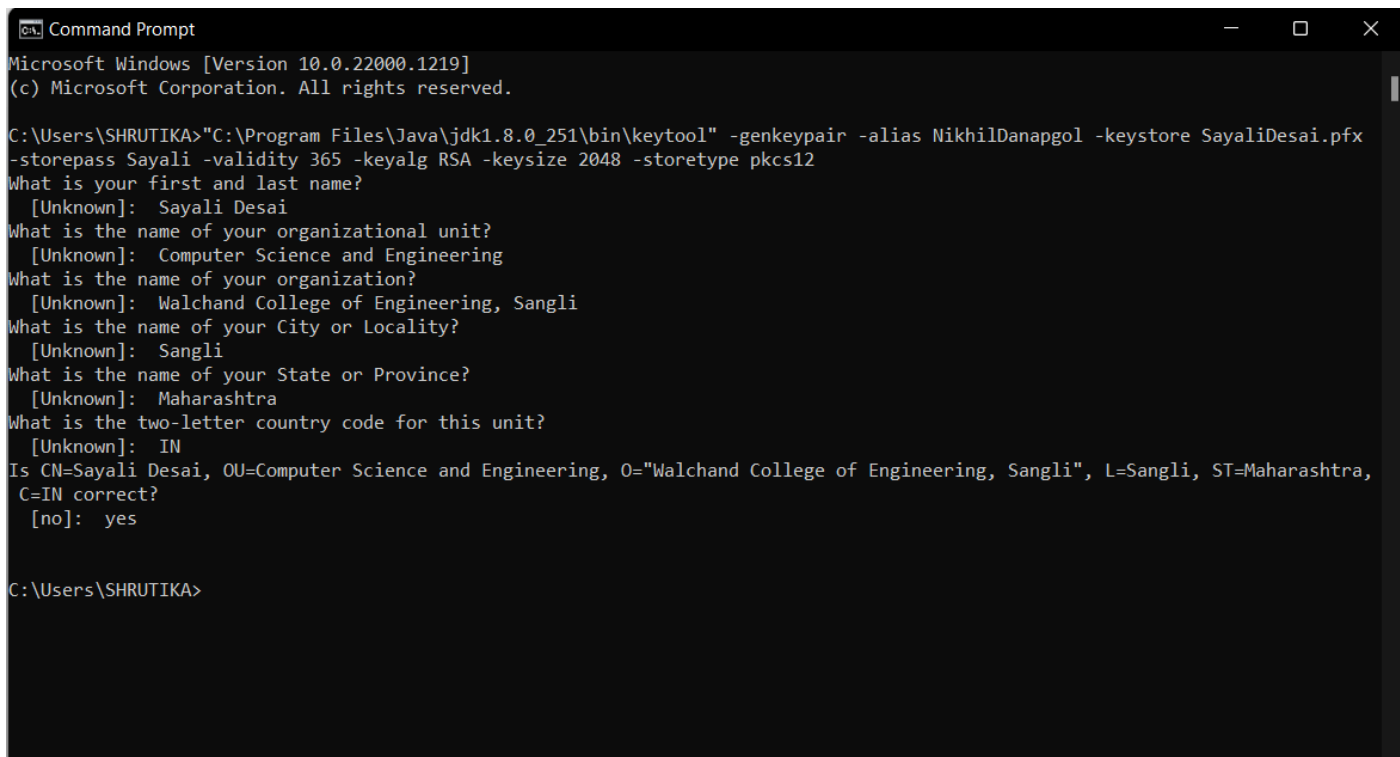
Full Name: SAYALI YOGESH DESAI

Batch: B4

Assignment No. 14

-
- 1. Aim:**
Create Digital Certificate

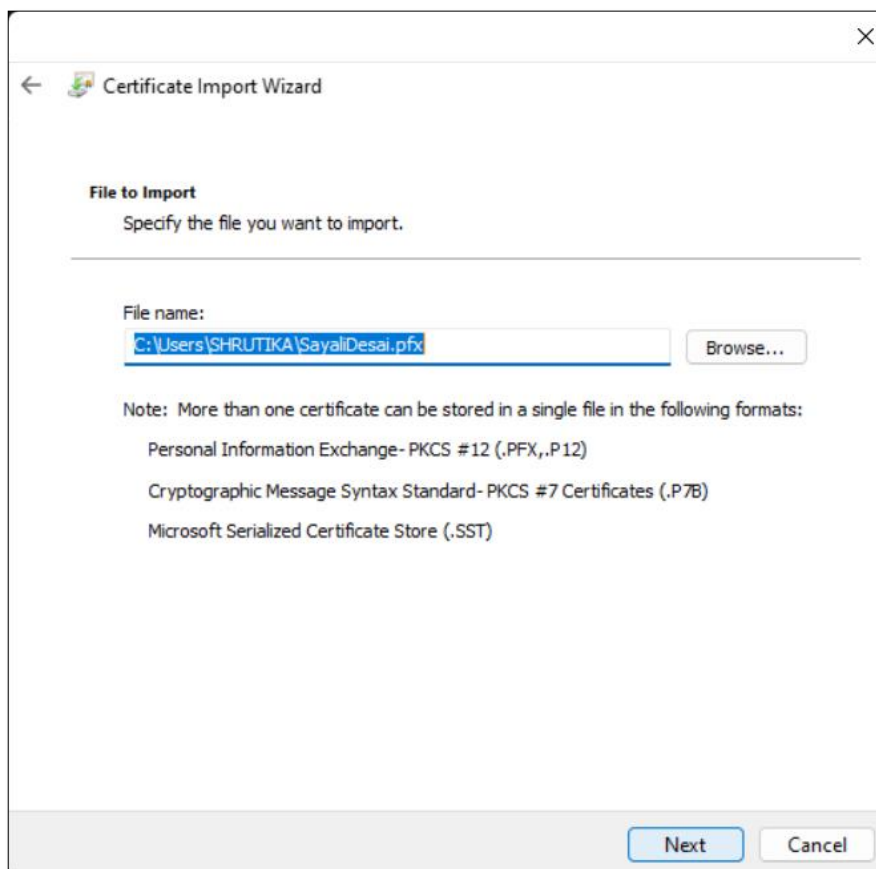
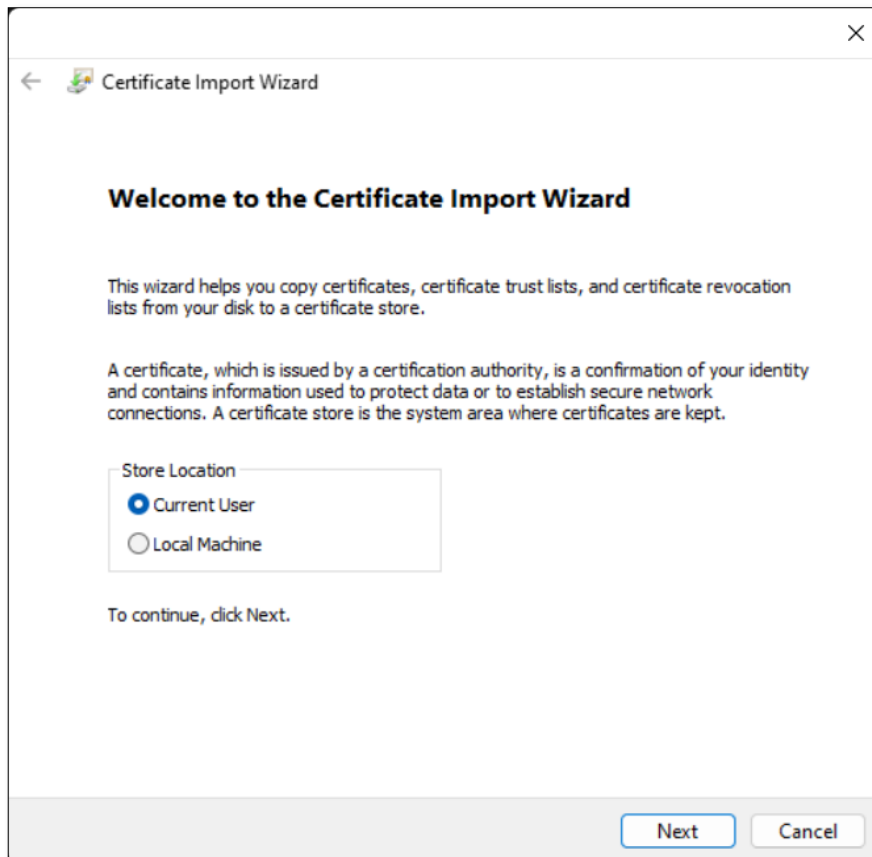
- 2. Code:**

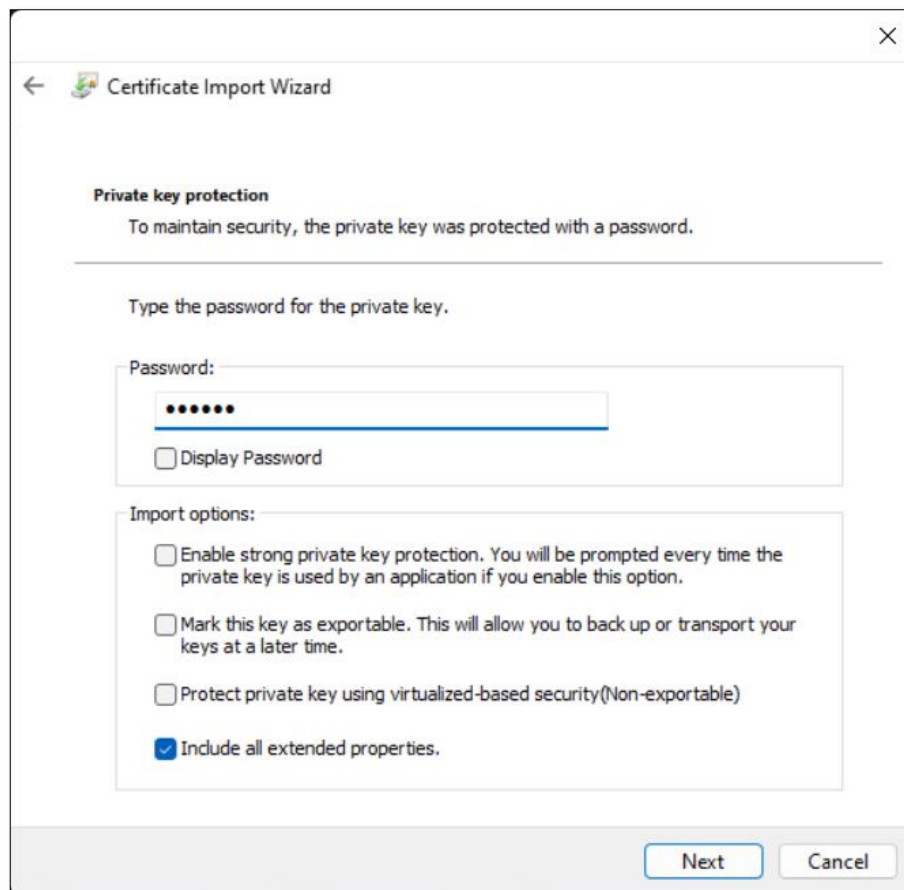


```
Command Prompt
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SHRUTIKA>"C:\Program Files\Java\jdk1.8.0_251\bin\keytool" -genkeypair -alias NikhilDanapgol -keystore SayaliDesai.pfx -storepass Sayali -validity 365 -keyalg RSA -keysize 2048 -storetype pkcs12
What is your first and last name?
[Unknown]: Sayali Desai
What is the name of your organizational unit?
[Unknown]: Computer Science and Engineering
What is the name of your organization?
[Unknown]: Walchand College of Engineering, Sangli
What is the name of your City or Locality?
[Unknown]: Sangli
What is the name of your State or Province?
[Unknown]: Maharashtra
What is the two-letter country code for this unit?
[Unknown]: IN
Is CN=Sayali Desai, OU=Computer Science and Engineering, O="Walchand College of Engineering, Sangli", L=Sangli, ST=Maharashtra, C=IN correct?
[no]: yes

C:\Users\SHRUTIKA>
```





← Certificate Import Wizard

Private key protection
To maintain security, the private key was protected with a password.

Type the password for the private key.

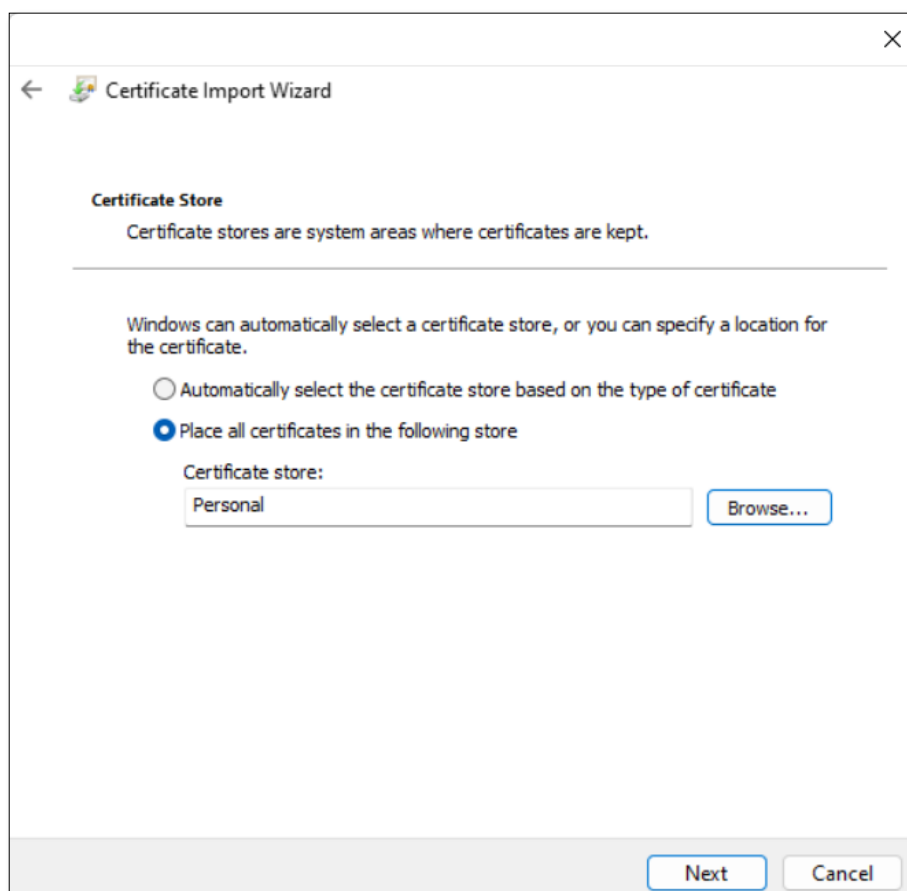
Password:

☐ Display Password

Import options:

- ☐ Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option.
- ☐ Mark this key as exportable. This will allow you to back up or transport your keys at a later time.
- ☐ Protect private key using virtualized-based security (Non-exportable)
- ☒ Include all extended properties.

Next Cancel



← Certificate Import Wizard

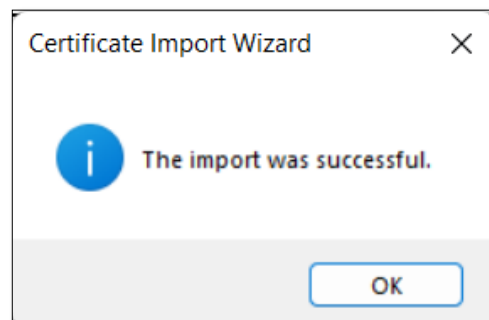
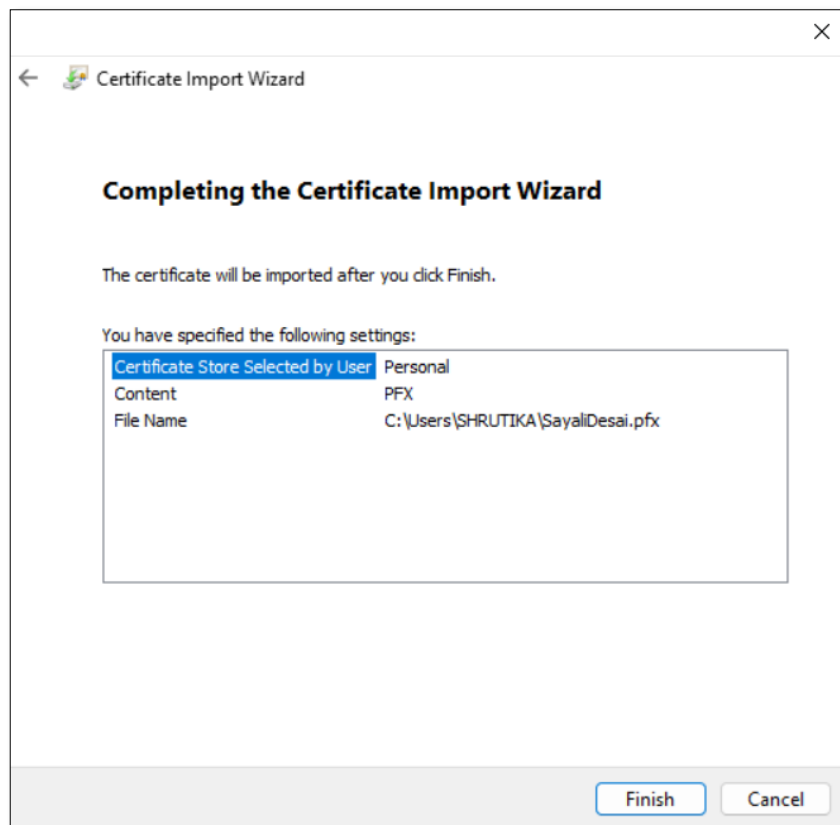
Certificate Store
Certificate stores are system areas where certificates are kept.

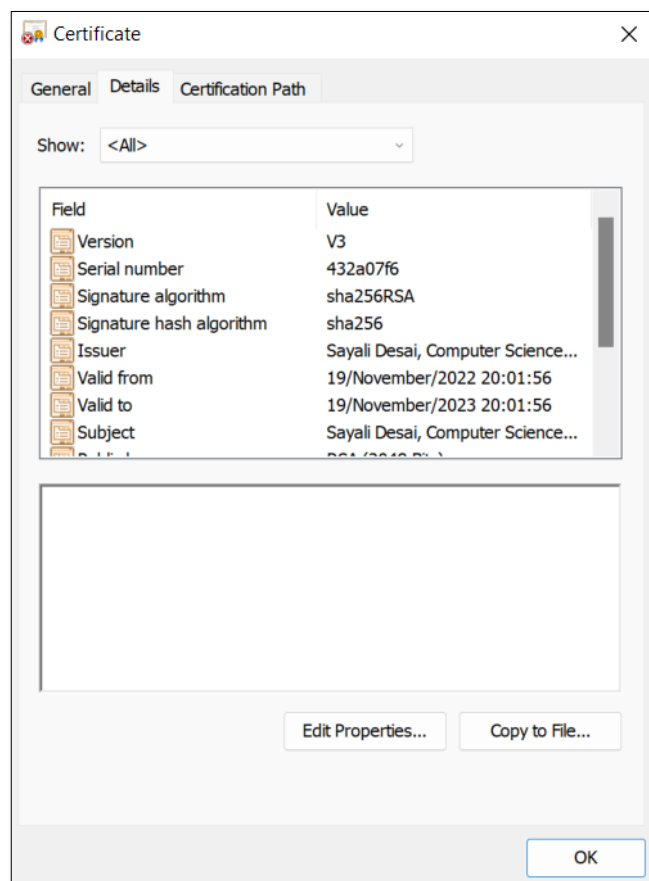
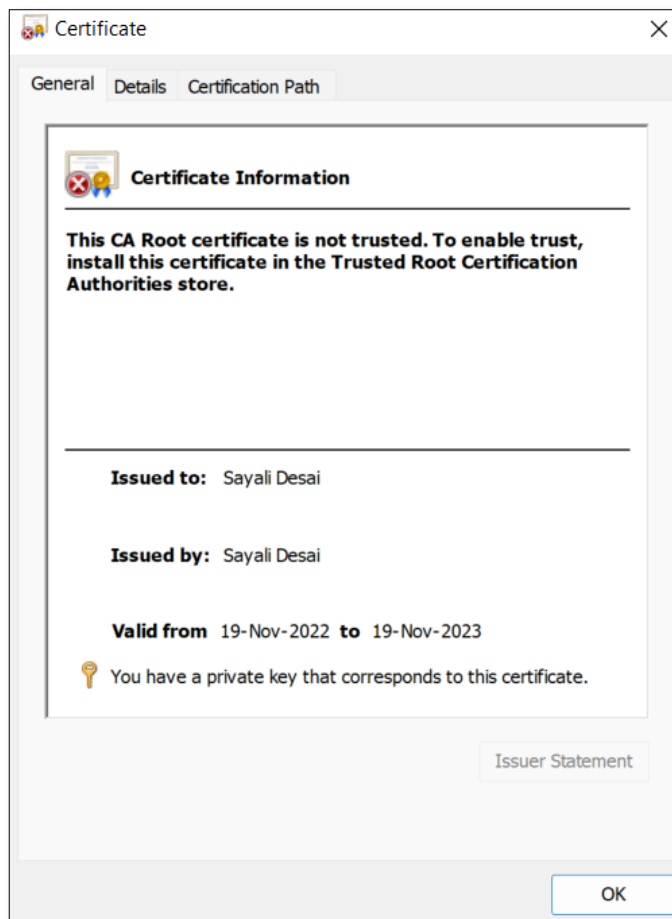
Windows can automatically select a certificate store, or you can specify a location for the certificate.

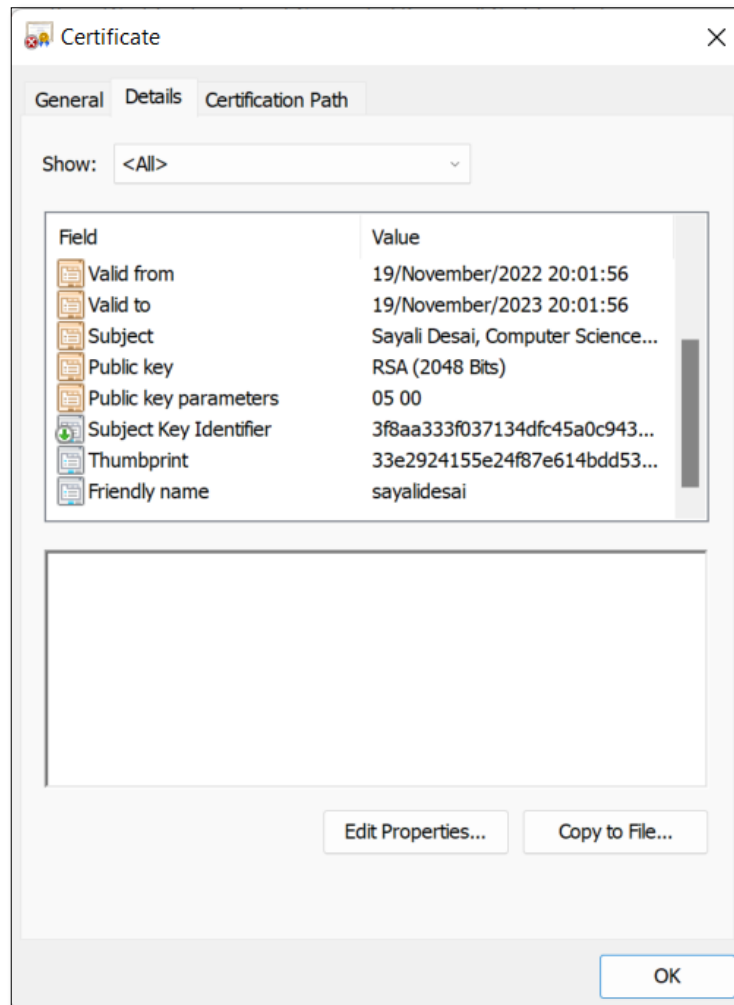
- ☐ Automatically select the certificate store based on the type of certificate
- ☒ Place all certificates in the following store

Certificate store:

Next Cancel







3. Conclusion:

Successfully created digital certificate named Sayali.