C:\Users\manji\OneDrive\Desktop>cd TomcatCertAuth

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -genkeypair -alias server -keyalg RSA -keysize 2048 -validity 365 ^

More? -keystore server.keystore -storepass changeit ^

More? -dname "CN=localhost, OU=Dev, O=MyOrg, L=City, ST=State, C=IN"

'keytool' is not recognized as an internal or external command,

operable program or batch file.

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool

'keytool' is not recognized as an internal or external command,

operable program or batch file.

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>set path

Path=C:\db\_home\bin;C:\Program Files\Common Files\Oracle\Java\javapath;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell\v1.0\;C:\WINDOWS\System32\OpenSSH\;C:\Program Files\Git\cmd;C:\Program Files\dotnet\;C:\Program Files\nodejs\;C:\Program Files\MySQL\MySQL Shell 8.0\bin\;C:\Users\manji\AppData\Local\Microsoft\WindowsApps;C:\Users\manji\AppData\Local\Programs\Microsoft VS Code\bin;C:\MinGW\bin;C:\apache-maven-3.9.9\bin;C:\apache-tomcat-10.1.25\bin;C:\Users\manji\AppData\Roaming\npm

PATHEXT=.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>set path=%path%;"c:\Program Files\Java\jdk-21\bin";

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -genkeypair -alias server -keyalg RSA -keysize 2048 -validity 365 ^

More? -keystore server.keystore -storepass changeit ^

More? -dname "CN=localhost, OU=Dev, O=MyOrg, L=City, ST=State, C=IN"

keytool error: java.lang.Exception: Keystore file exists, but is empty: server.keystore

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -genkeypair -alias server -keyalg RSA -keysize 2048 -validity 365 ^

More? -keystore server.keystore -storepass changeit ^

More? -dname "CN=localhost, OU=Dev, O=MyOrg, L=City, ST=State, C=IN"

Generating 2,048 bit RSA key pair and self-signed certificate (SHA384withRSA) with a validity of 365 days

for: CN=localhost, OU=Dev, O=MyOrg, L=City, ST=State, C=IN

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>dir

Volume in drive C is OS

Volume Serial Number is B429-2098

Directory of C:\Users\manji\OneDrive\Desktop\TomcatCertAuth

07-06-2025 00:48 <DIR> .

07-06-2025 00:35 <DIR> ..

07-06-2025 00:48 2,712 server.keystore

1 File(s) 2,712 bytes

2 Dir(s) 50,697,908,224 bytes free

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -exportcert -alias server -keystore server.keystore ^

More? -file server.crt -storepass changeit

Certificate stored in file <server.crt>

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>dir

Volume in drive C is OS

Volume Serial Number is B429-2098

Directory of C:\Users\manji\OneDrive\Desktop\TomcatCertAuth

07-06-2025 00:48 <DIR> .

07-06-2025 00:35 <DIR> ..

07-06-2025 00:48 868 server.crt

07-06-2025 00:48 2,712 server.keystore

2 File(s) 3,580 bytes

2 Dir(s) 50,698,706,944 bytes free

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -genkeypair -alias client -keyalg RSA -keysize 2048 -validity 365 ^

More? -keystore client.keystore -storepass changeit ^

More? -dname "CN=client, OU=Client, O=Org, L=City, ST=State, C=IN"

Generating 2,048 bit RSA key pair and self-signed certificate (SHA384withRSA) with a validity of 365 days

for: CN=client, OU=Client, O=Org, L=City, ST=State, C=IN

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>dir

Volume in drive C is OS

Volume Serial Number is B429-2098

Directory of C:\Users\manji\OneDrive\Desktop\TomcatCertAuth

07-06-2025 00:49 <DIR> .

07-06-2025 00:35 <DIR> ..

07-06-2025 00:49 2,712 client.keystore

07-06-2025 00:48 868 server.crt

07-06-2025 00:48 2,712 server.keystore

3 File(s) 6,292 bytes

2 Dir(s) 50,700,034,048 bytes free

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -exportcert -alias client -keystore client.keystore ^

More? -file client.crt -storepass changeit

Certificate stored in file <client.crt>

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -importcert -alias client -file client.crt ^

More? -keystore server.truststore -storepass changeit -noprompt

Certificate was added to keystore

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>dir

Volume in drive C is OS

Volume Serial Number is B429-2098

Directory of C:\Users\manji\OneDrive\Desktop\TomcatCertAuth

07-06-2025 00:49 <DIR> .

07-06-2025 00:35 <DIR> ..

07-06-2025 00:49 863 client.crt

07-06-2025 00:49 2,712 client.keystore

07-06-2025 00:48 868 server.crt

07-06-2025 00:48 2,712 server.keystore

07-06-2025 00:49 1,238 server.truststore

5 File(s) 8,393 bytes

2 Dir(s) 50,698,715,136 bytes free

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>keytool -importkeystore ^

More? -srckeystore client.keystore -srcstoretype JKS -srcstorepass changeit ^

More? -destkeystore client.p12 -deststoretype PKCS12 -deststorepass changeit

Importing keystore client.keystore to client.p12...

Entry for alias client successfully imported.

Import command completed: 1 entries successfully imported, 0 entries failed or cancelled

C:\Users\manji\OneDrive\Desktop\TomcatCertAuth>dir

Volume in drive C is OS

Volume Serial Number is B429-2098

Directory of C:\Users\manji\OneDrive\Desktop\TomcatCertAuth

07-06-2025 00:57 <DIR> .

07-06-2025 00:35 <DIR> ..

07-06-2025 00:49 863 client.crt

07-06-2025 00:49 2,712 client.keystore

07-06-2025 00:57 2,712 client.p12

07-06-2025 00:48 868 server.crt

07-06-2025 00:48 2,712 server.keystore

07-06-2025 00:49 1,238 server.truststore

6 File(s) 11,105 bytes

2 Dir(s) 50,688,393,216 bytes free