CSE 350: Network Security

Programming Assignment 3: Sample Input-Output

CA

```
ananyagarg@Ananyas-MacBook-Air-2 code % python3 ca.py
Server is listening on port 50052...
 lient B registered
 lient A registered
 erti icate o  B signed
 erti icate o  A signed
 lient B registered
 lient A registered
 erti icate o  B signed
 erti icate o  A signed
```

Client A

```
ananyagarg@Ananyas-MacBook-Air-2 code % python3 a.py
Client A has been registered successfully

Register client B with the CA server and press Enter to continue
Received certificate of Client B from CA server

Certificate has been verified

Press Enter to send encrypted message from A to B
Certificate of Client B is still active.
Decrypted Response: Acknowledged 1st message
Certificate of Client B is still active.
Decrypted Response: Acknowledged 2nd message
Certificate of Client B is still active.
Decrypted Response: Acknowledged 3rd message
ananyagarg@Ananyas-MacBook-Air-2 code %
```

Client B

```
ananyagarg@Ananyas-MacBook-Air-2 code % python3 b.py
Client B has been registered successfully

Register client A with the CA server and press Enter to continue
Received certificate of Client A from CA server

Certificate ha been verified

Server B is listening on port 50051...
Decrypted message received: kuch kuch hota hai, tum nahi samjhoge
Certificate of Client B is still active.
Decrypted message received: main apni favourite hun
Certificate of Client B is still active.
Decrypted message received: 25 din mein paisa double
Certificate of Client B is still active.
```