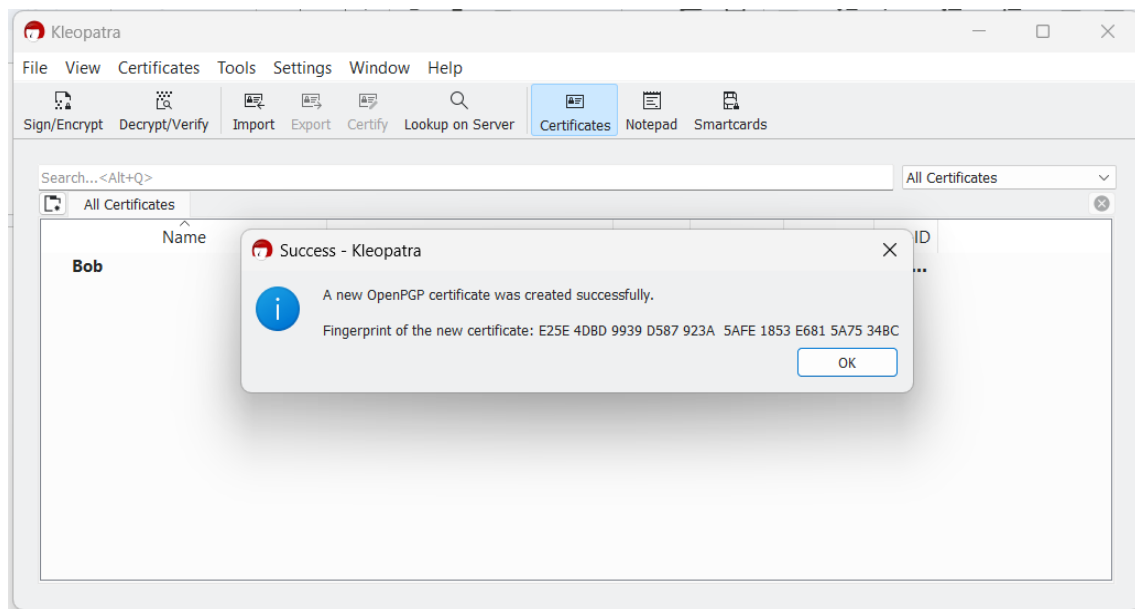| Name	Hatim Sawai
UID no.	2021300108
Experiment No.	7

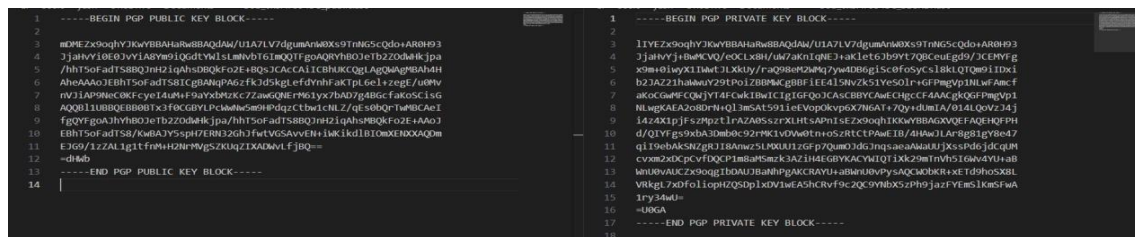| AIM:	Implementing and Analyzing PGP for Secure Email Communication

THEORY:

PROCEDURE:
1. Install & Run Kleopatra
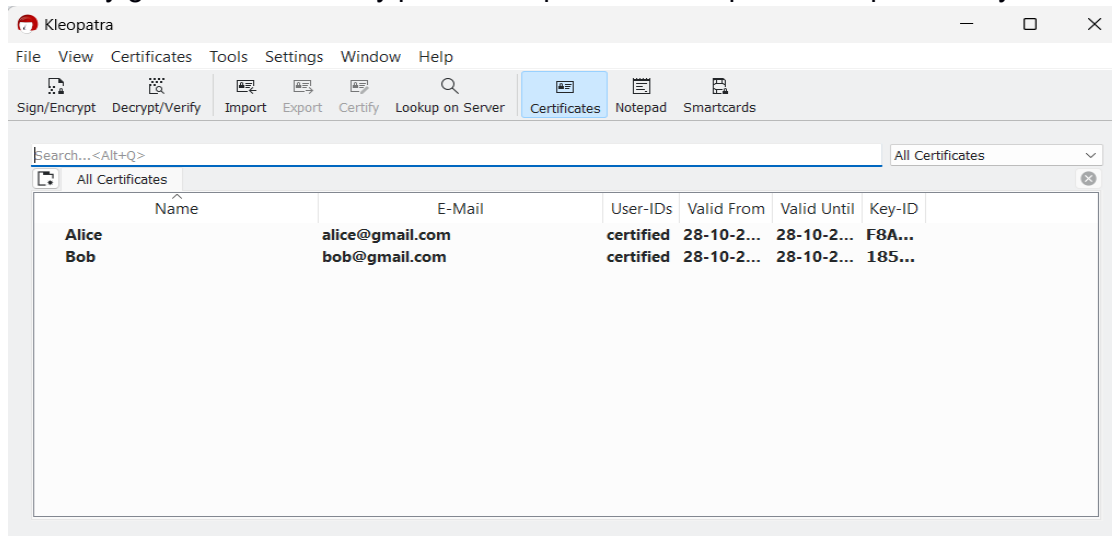2. Create a New Key Pair:
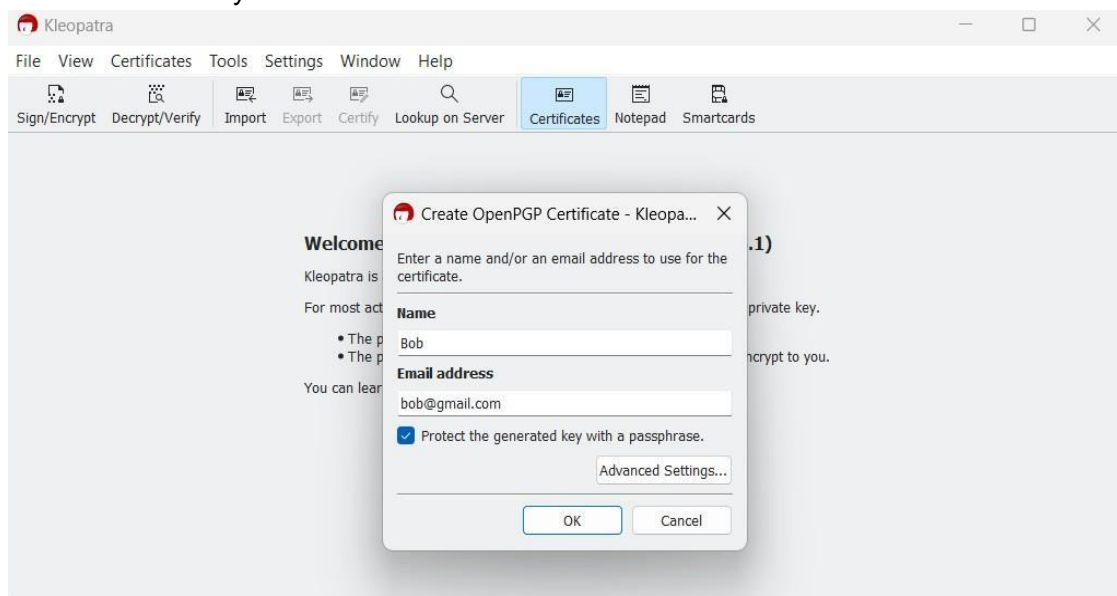
3. Save the private and secret keys of Bob as asc files.
4. Look at Bob's public and private key

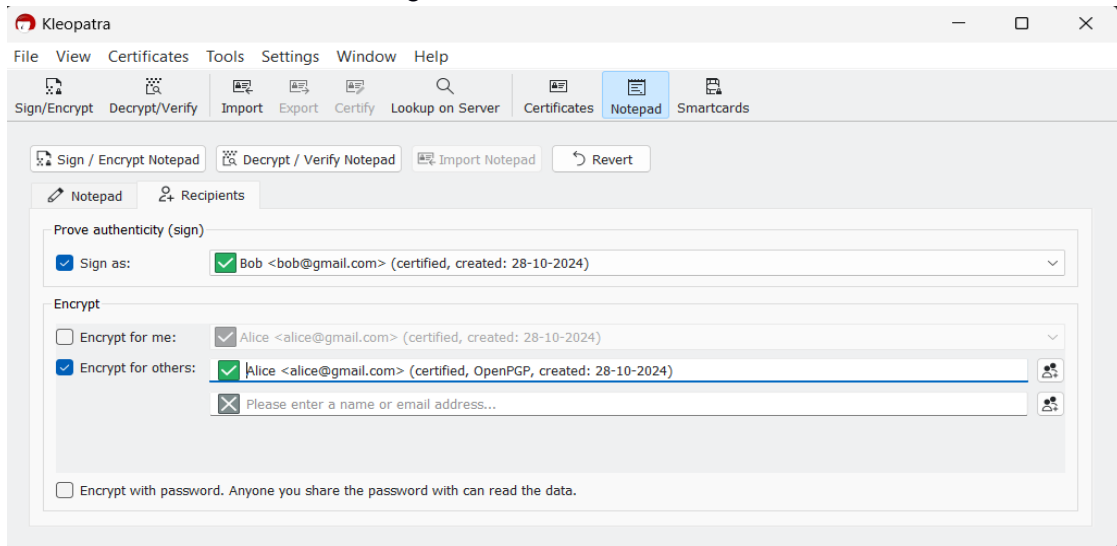5. Similarly generate Alice's key pair and export and save public and private keys as asc files

6. Look at Alice's public and private key

7. Now to communicate with Alice, copy public key of Alice paste into notepad and click import notepad
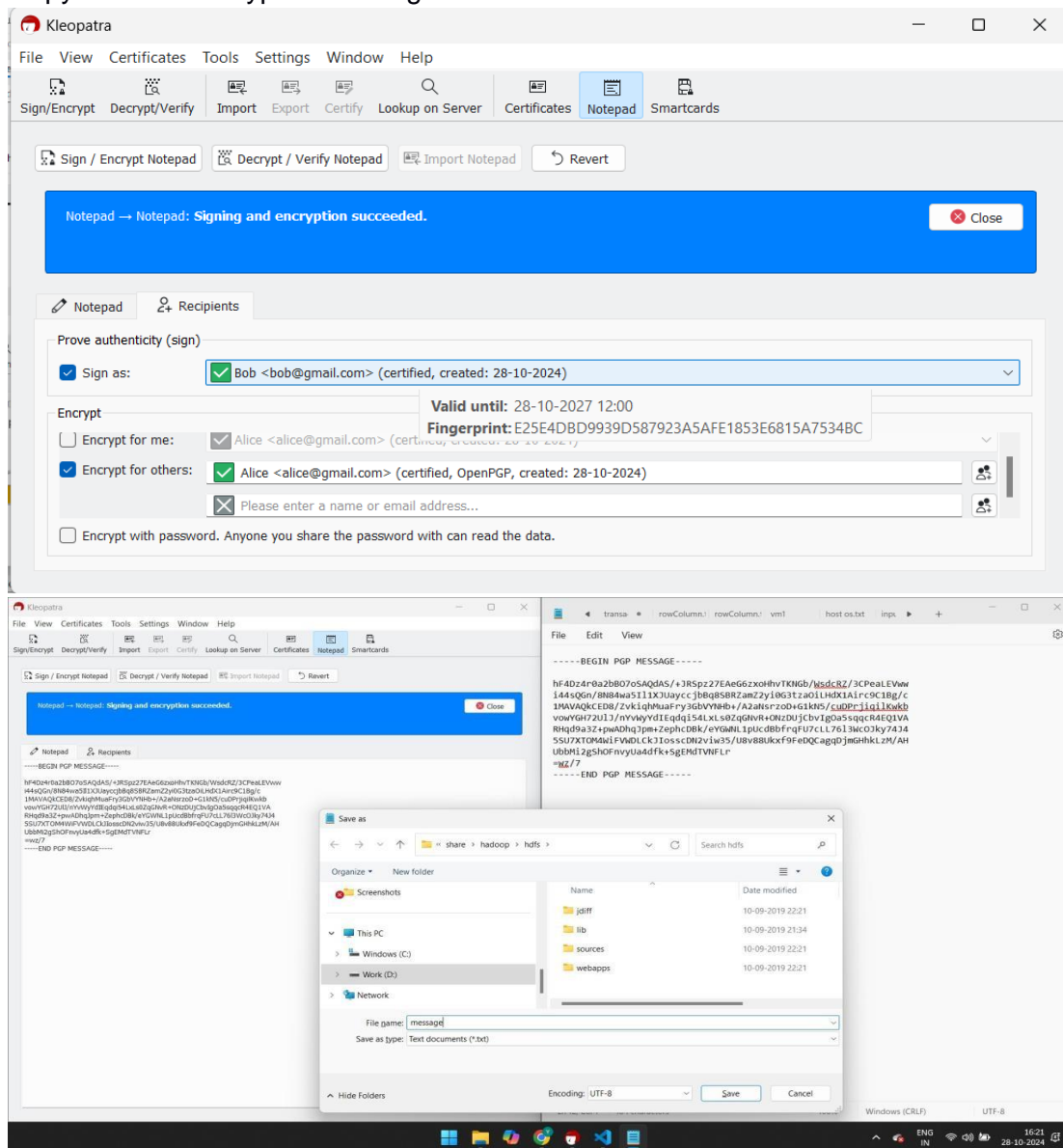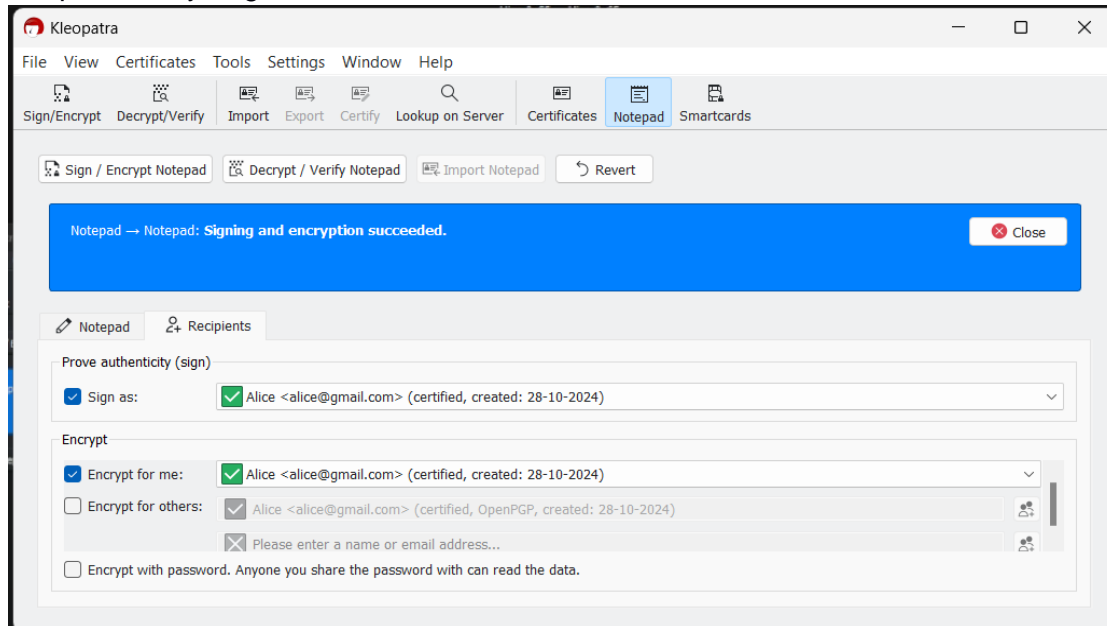8. After that add a custom message
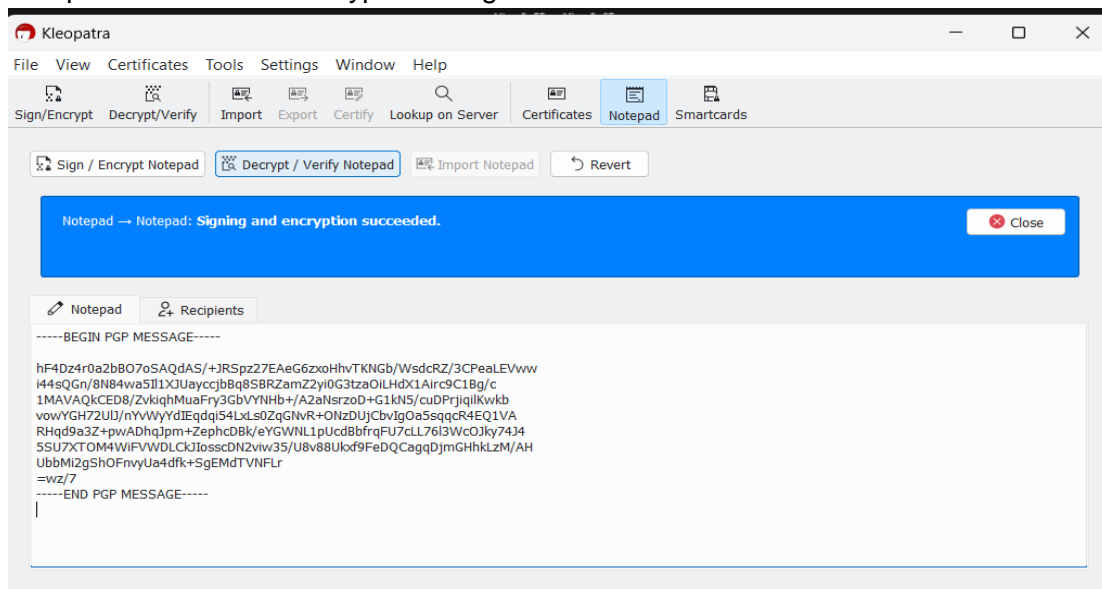

9. Sign and Encrypt Notepad
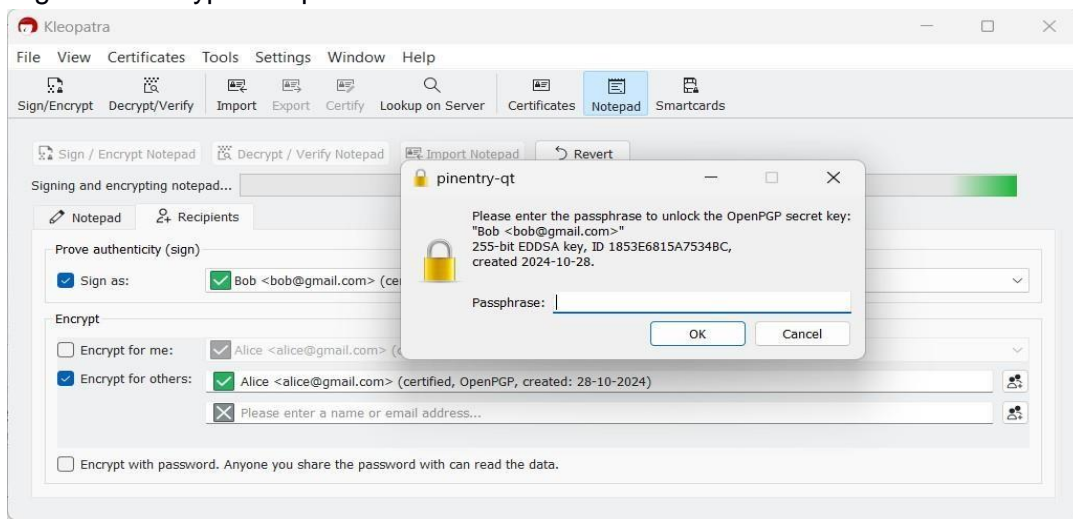
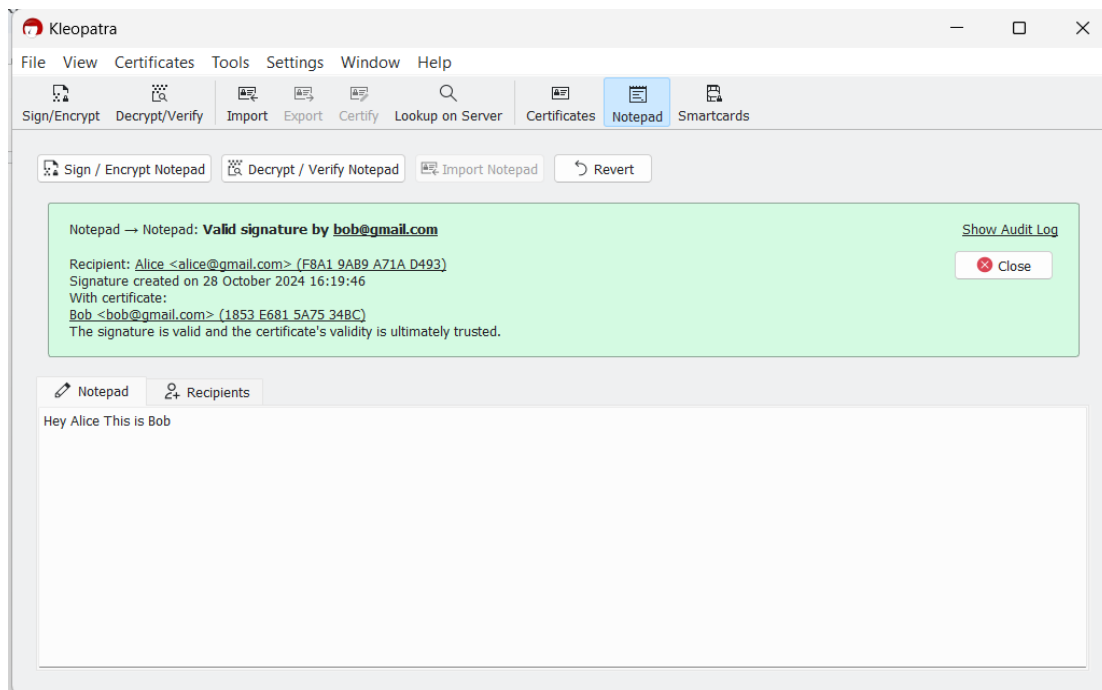## 10. Copy the sent encrypted message in a text file

11. Now we have sent an encrypted message to Alice which can be seen only by Alice using her private key. Sign in as Alice

12. Decrypt the message using Alice's Private key. Paste the copied message from the notepad and click on Decrypt message button

13. We can successfully decrypt the message certified by Bob and encrypted using Alice's public key using Alice's private key. Thus, Bob can successfully send Alice encrypted message using PGP.