Student:	Email:
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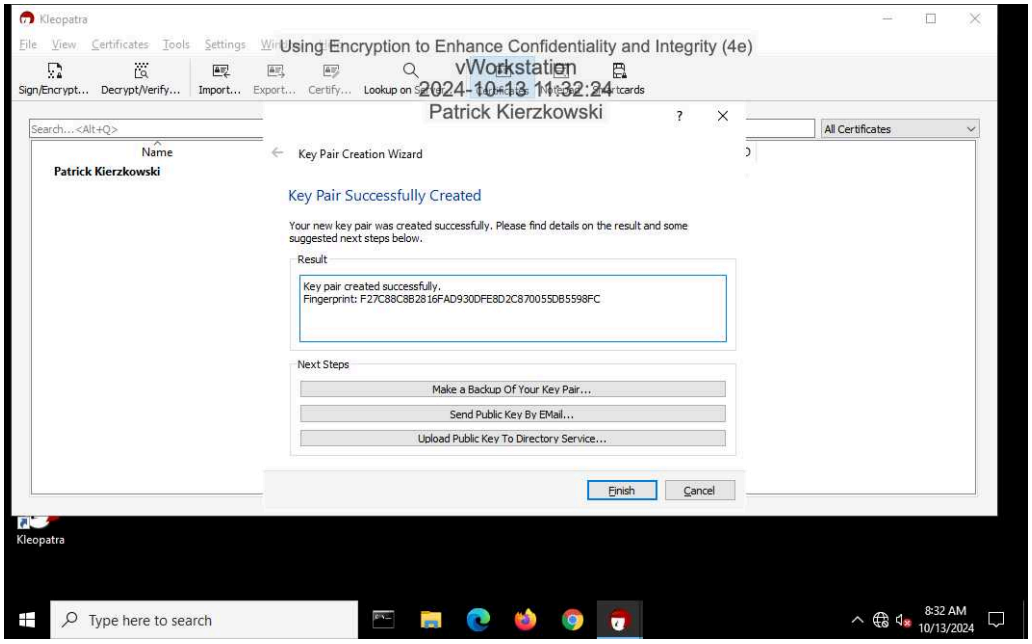
Time on Task:	Progress:
10 hours, 0 minutes	100%

Report Generated: Monday, July 7, 2025 at 9:50 PM

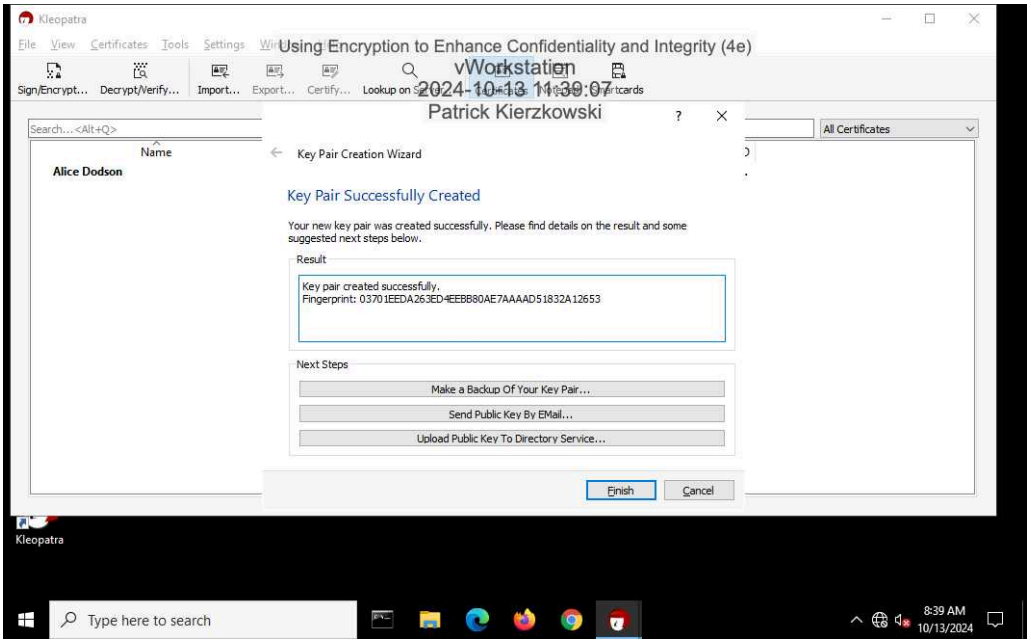
Section 1: Hands-On Demonstration

Part 1: Create and Exchange Asymmetric Encryption Keys

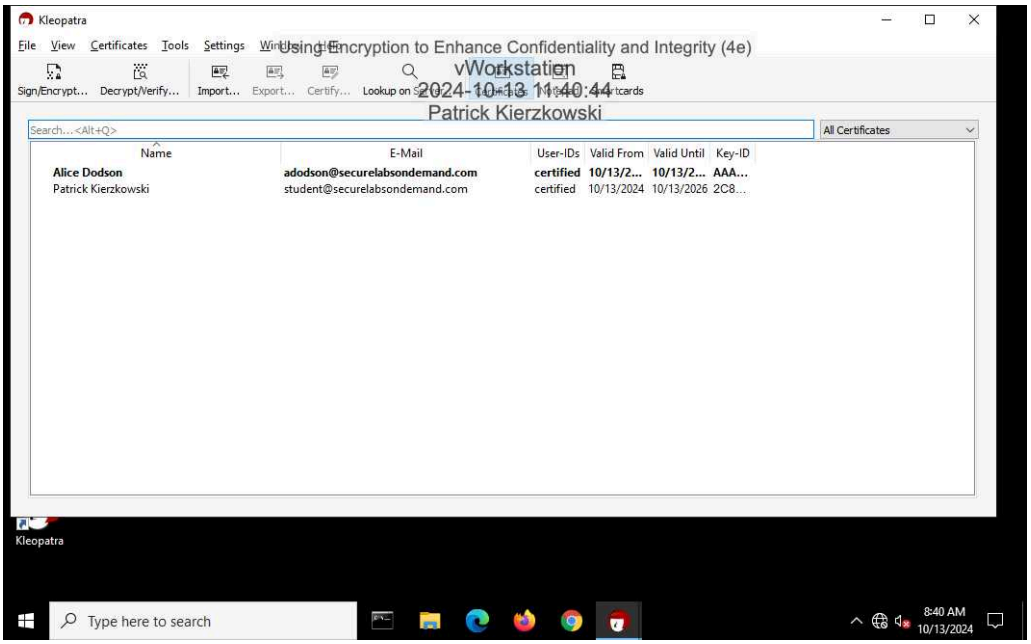
9. **Make a screen capture** showing the **fingerprint for your key pair.**



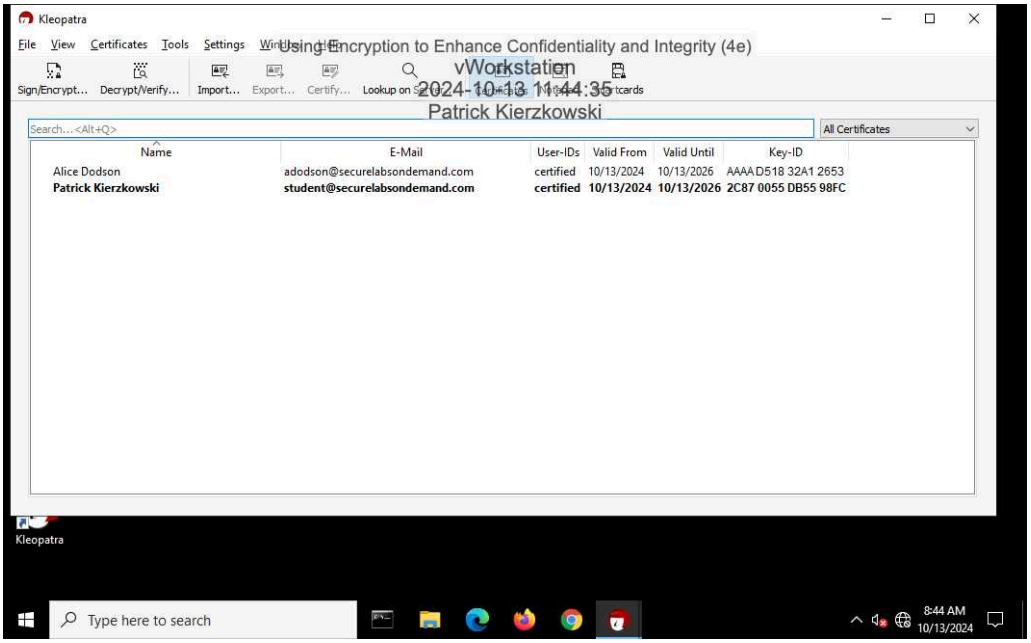
22. **Make a screen capture** showing the **fingerprint for Alice's key pair**.



30. **Make a screen capture** showing **your public key in Alice's certificate cache**.

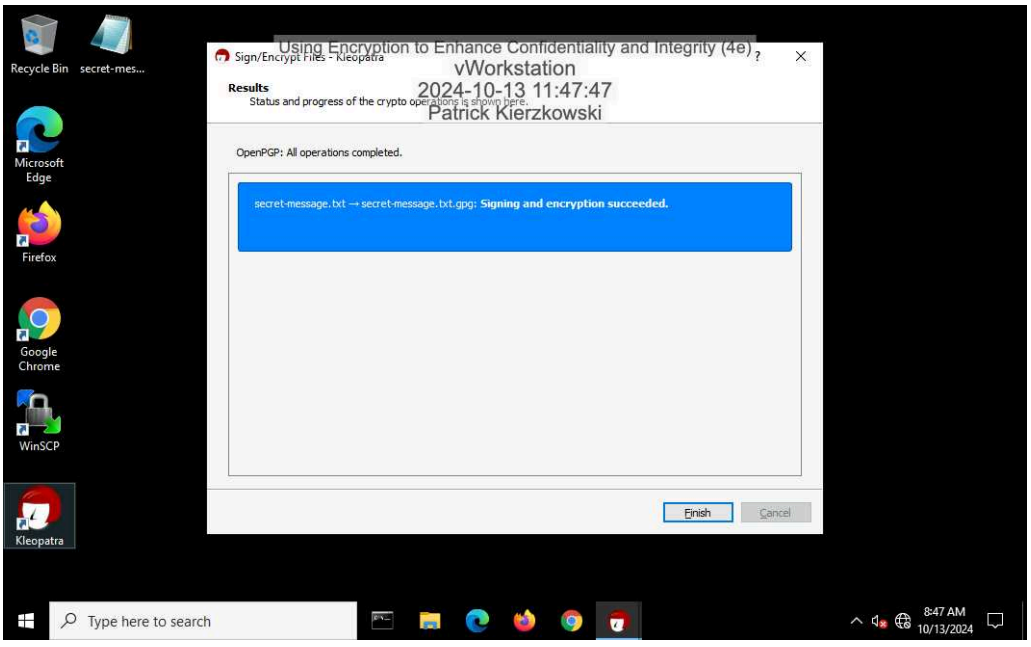


35. **Make a screen capture** showing **Alice's public key in your certificate cache**.

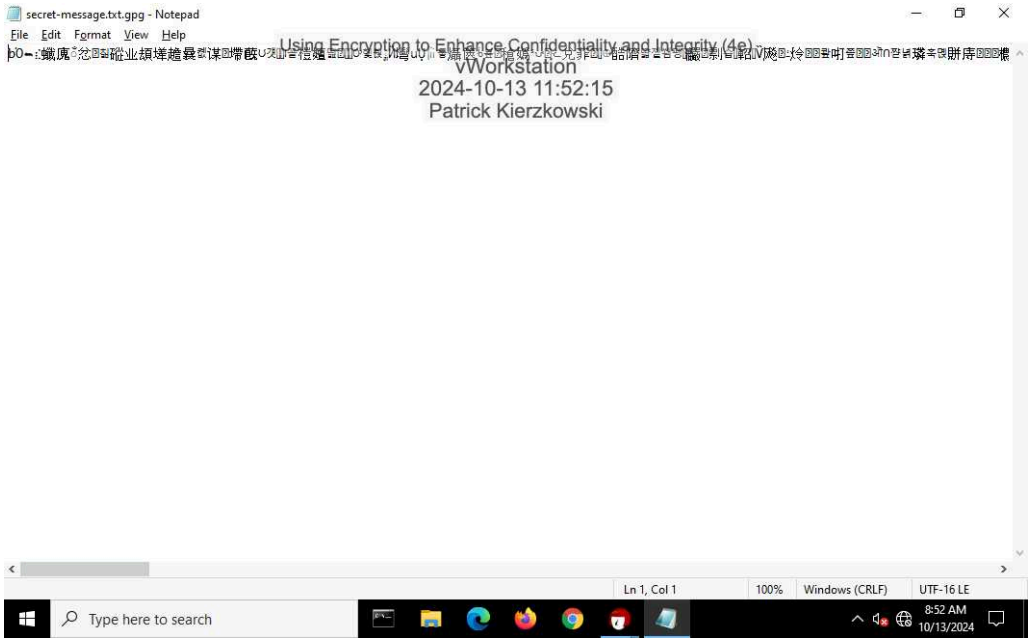


Part 2: Encrypt a File Using Asymmetric Encryption

9. **Make a screen capture** showing the **successful signing and encryption message**.

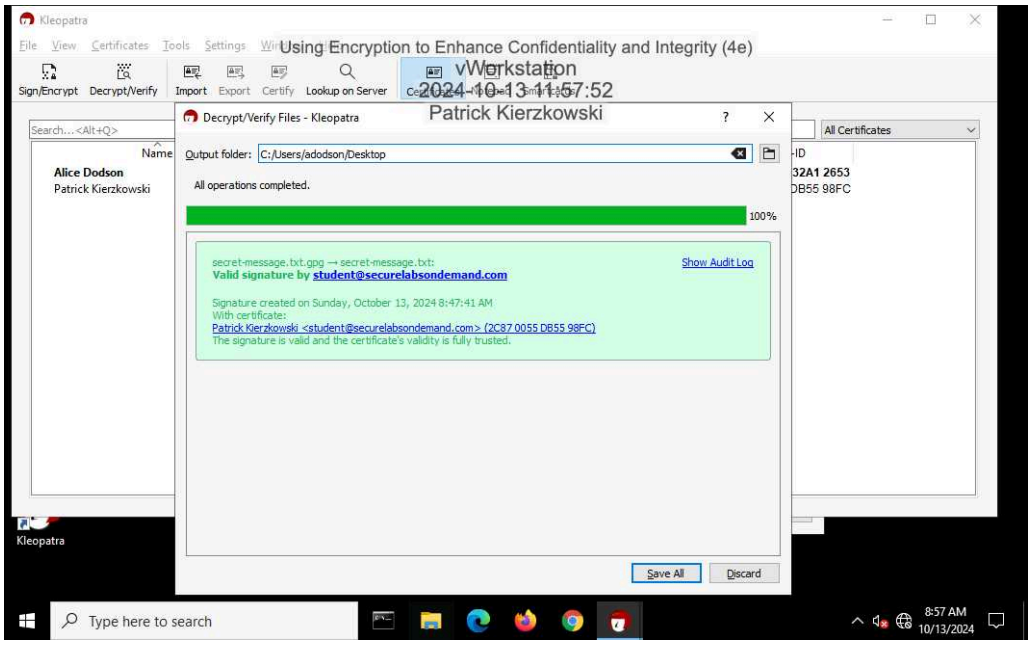


12. **Make a screen capture** showing the **ciphertext**.

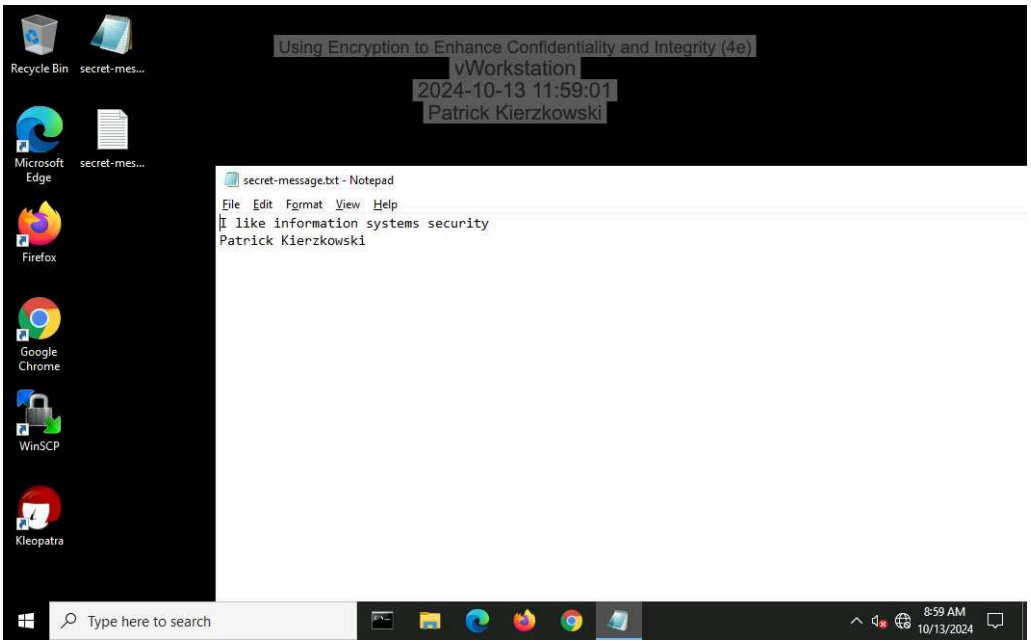


Part 3: Decrypt a File Using Asymmetric Encryption

15. **Make a screen capture** showing the **Decrypt/Verify Files window**.



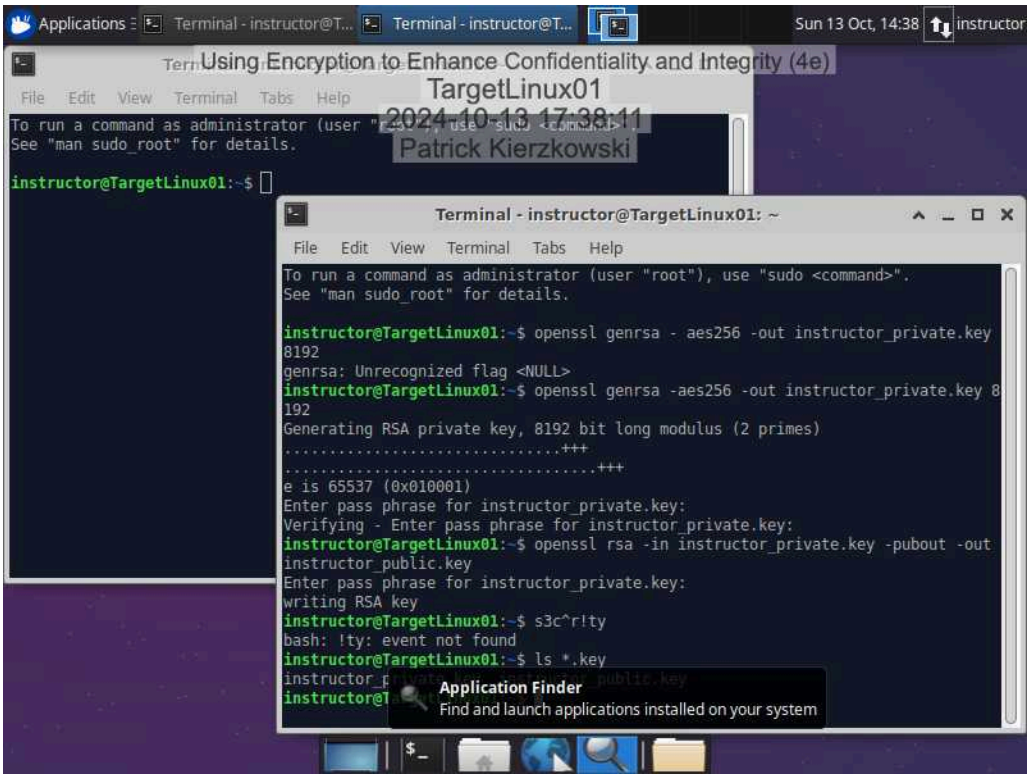
18. **Make a screen capture** showing the **decrypted secret-message.txt file in Notepad**.



Section 2: Applied Learning

Part 1: Create an Asymmetric Key Pair

10. **Make a screen capture** showing the **instructor's key pair files**.

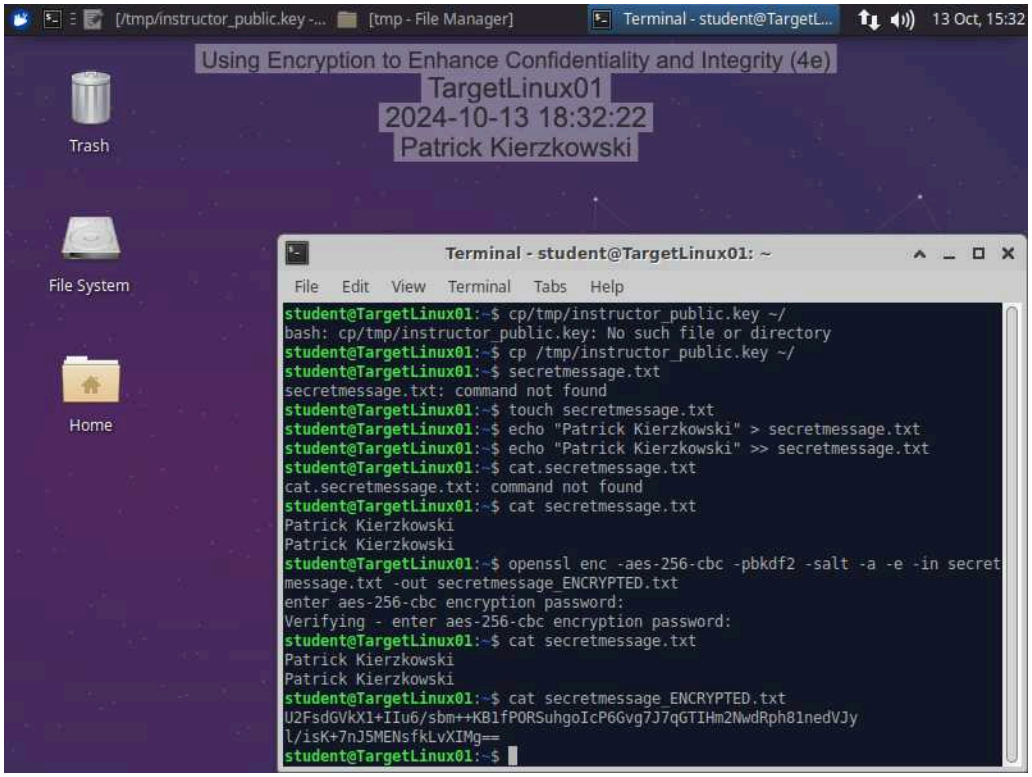


Part 2: Encrypt a File Using Symmetric Encryption

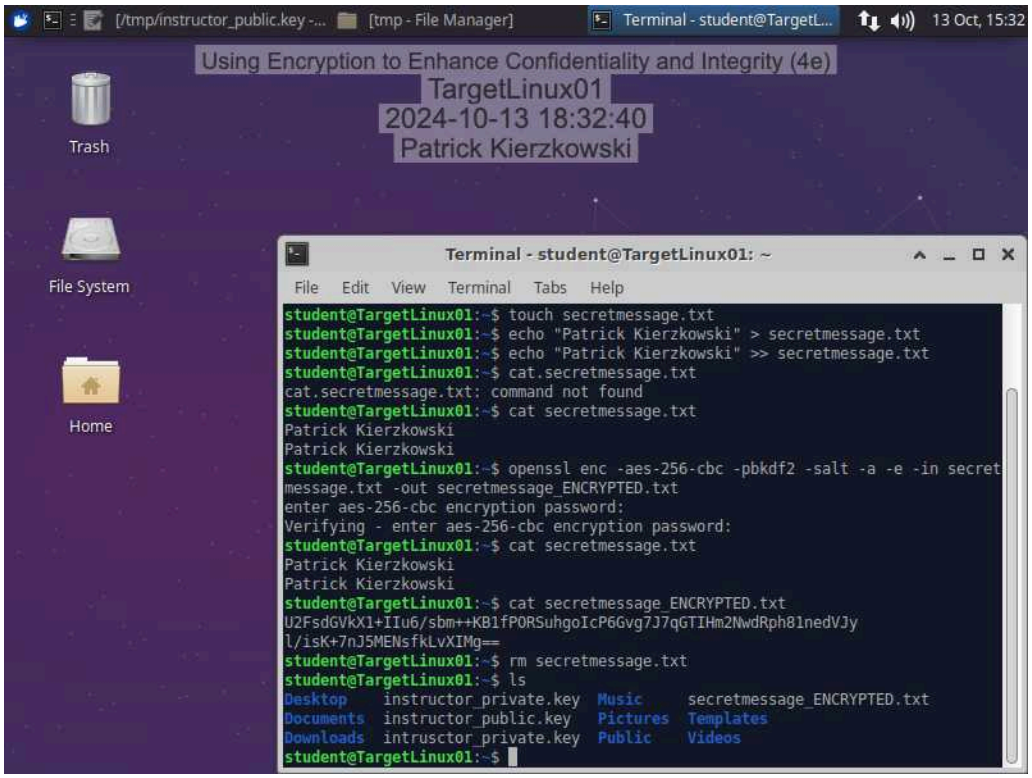
11. **Document** the password you used to symmetrically encrypt the file.

yourownpassword

13. **Make a screen capture** showing the **ciphertext in the secretmessage_ENCRYPTED.txt file**.

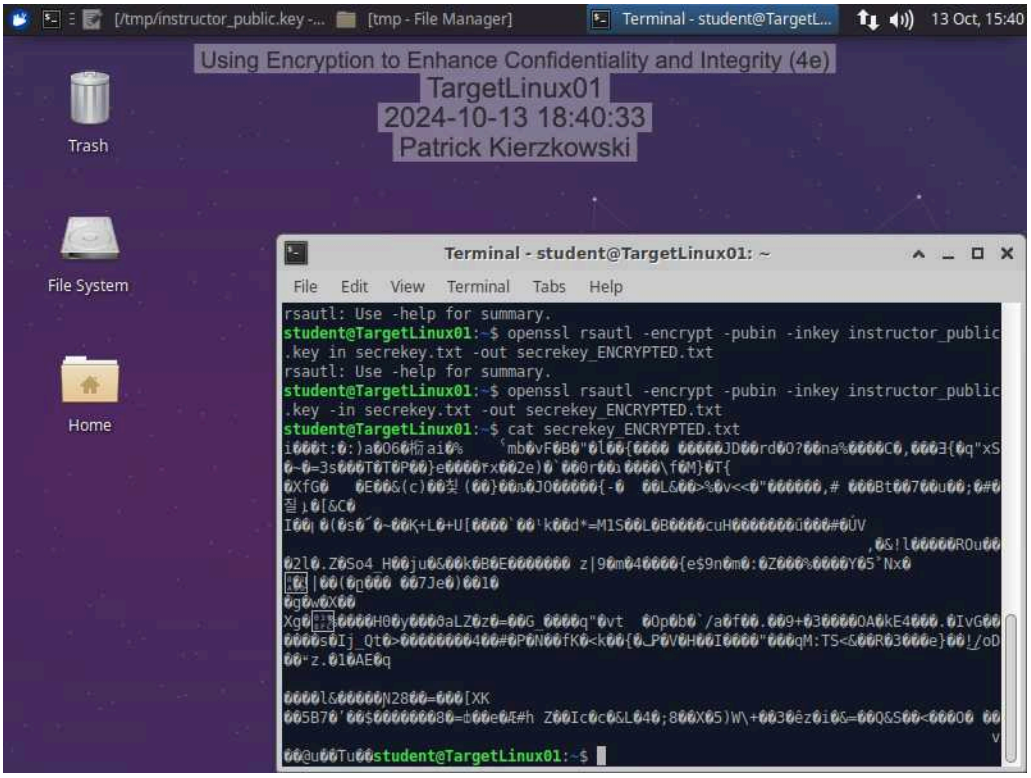


16. **Make a screen capture** showing the **output of the ls command**.

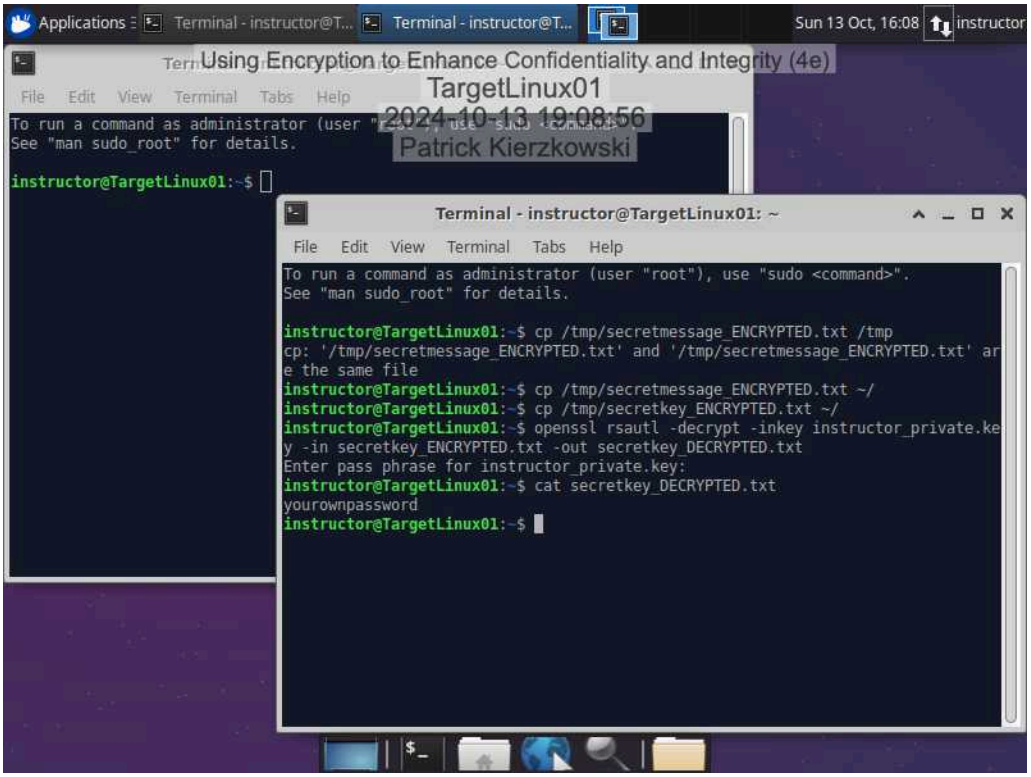


Part 3: Transfer and Decrypt a File Using Hybrid Cryptography

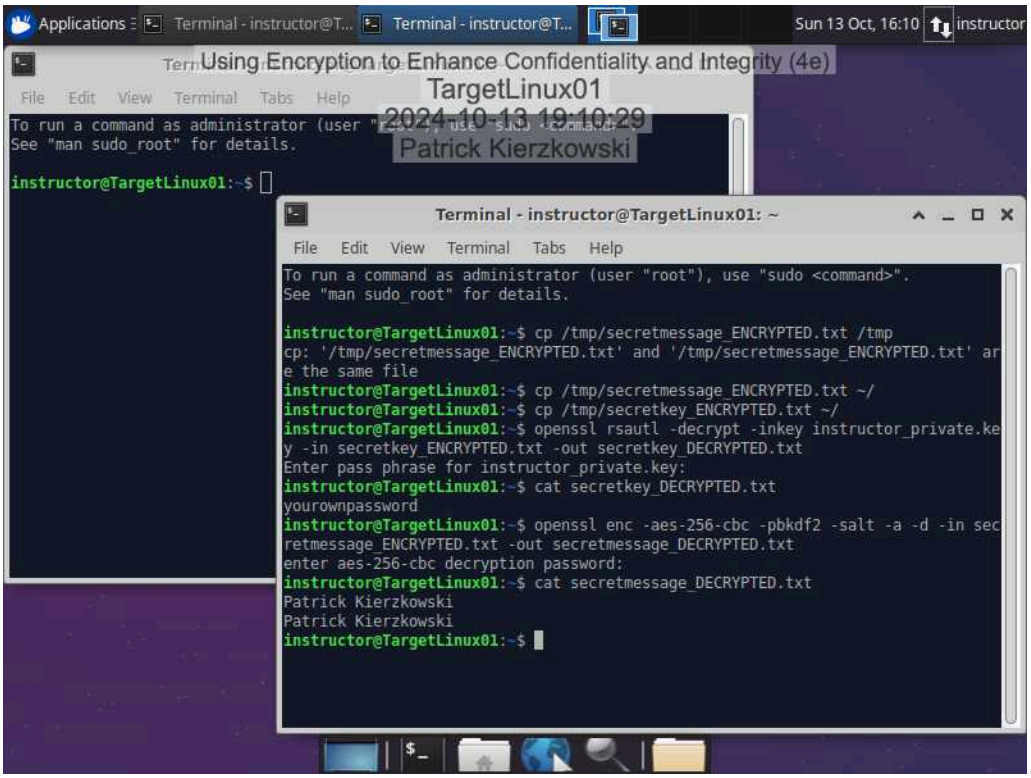
6. **Make a screen capture** showing the **encrypted contents of the secretkey_ENCRYPTED.txt file**.



17. **Make a screen capture** showing the **decrypted contents of the secretkey_DECRYPTED.txt file**.



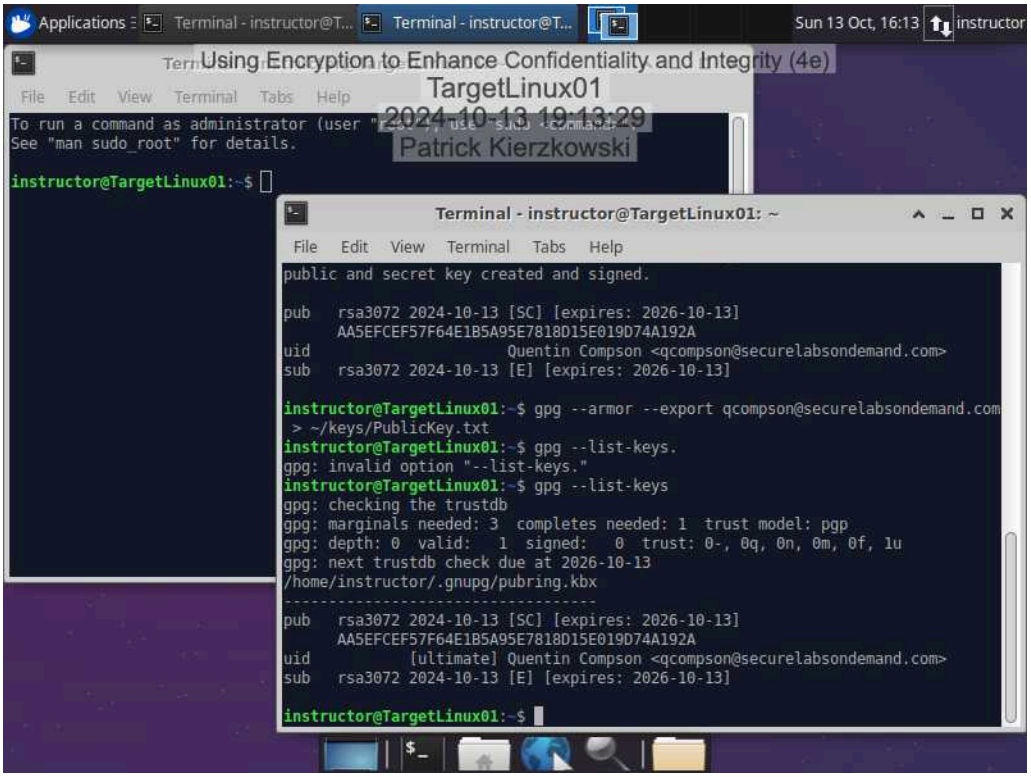
21. **Make a screen capture** showing the **contents of the secretmessage_DECRYPTED file.**



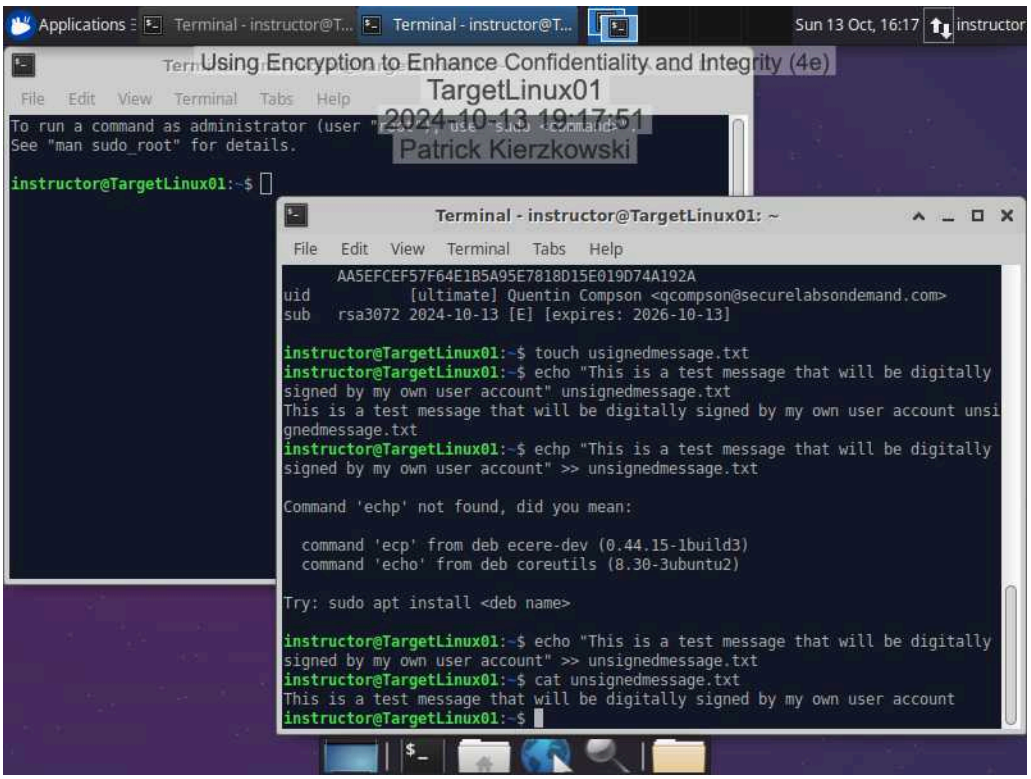
Section 3: Challenge and Analysis

Part 1: Digitally Sign a Document Using GPG

Make a screen capture showing the **key fingerprint for the key pair you generated in this part of the lab**.



Make a screen capture showing the **contents of the unsignedmessage.txt file**.



Part 2: Verify the Digital Signature Using Kleopatra

Make a screen capture showing the **successful signature verification on the signed message file.**