Task 1 – Encryption Tasks Summary Fernet Encryption: 1. Create data.txt with content. 2. Generate a Fernet key. 3. Read the contents of data.txt. 4. Encrypt contents using the key. 5. Save ciphertext to encrypted_data.bin. 6. Load encrypted_data.bin and decrypt. 7. Print decrypted message to verify. simple-crypt Encryption: 1. Create message.txt with content. 2. Password: "Password123". 3. Load the text from message.txt. 4. Encrypt using simple-crypt with password. 5. Save encrypted bytes into secretmessage. 6. Load secretmessage and decrypt using same password. Paramiko (SSH Encryption): 1. command.txt containing a command (e.g., ls -l). 2. SSH credentials: Host: localhost Username: admin Password: root 3. Use paramiko to establish SSH connection. 4. Read command from command.txt. 5. Send through encrypted SSH channel. 6. Receive output and save to ssh_output.txt. 7. Close SSH connection properly.