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PS C:\Users\user> & C:/Python312/python.exe "c:/Users/user/VS code python/encryption.py"
Simple Encryption and Decryption Tool

Menu:
1. Generate Key
2. Encrypt Data
3. Decrypt Data
4. Save Encrypted Data to File
5. Load Encrypted Data from File
6. Exit
Select an option: 
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Password Strength: Strong
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Simple Encryption and Decryption Tool

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Select an option: 1
Key generated and saved as 'secret.key'

Menu:
1. Generate Key
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6. Exit
Select an option: 2
Enter plaintext: charan
Encrypted Data: b'gAAAAABnQK02mzNmPdTyRQeDSR5t11XONRMcmZ6GMwNO4_xItu0WfPbqx93Amfp3zdzUDoKDz1QL_0cRQhku_HbdWpBhCtFujg=='
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Menu:
1. Generate Key
2. Encrypt Data
3. Decrypt Data
4. Save Encrypted Data to File
5. Load Encrypted Data from File
6. Exit
Select an option: 3
Enter filename to load encrypted data from: chanakya
File chanakya not found.
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Menu:
1. Generate Key
2. Encrypt Data
3. Decrypt Data
4. Save Encrypted Data to File
5. Load Encrypted Data from File
6. Exit
Select an option: 3
Enter filename to load encrypted data from: charan
Decrypted Data: charan
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Menu:
1. Generate Key
2. Encrypt Data
3. Decrypt Data
4. Save Encrypted Data to File
5. Load Encrypted Data from File
6. Exit
Select an option: 4
Enter filename to save encrypted data: chanakya
Enter plaintext: charan
Encrypted data saved to chanakya
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Menu:
1. Generate Key
2. Encrypt Data
3. Decrypt Data
4. Save Encrypted Data to File
5. Load Encrypted Data from File
6. Exit
Select an option: 5
Enter filename to load encrypted data: chanakya
Encrypted Data: b'gAAAAABnQK8Xhsc7FE5aFKshk2nQPRgVh_JkTerGqFV0hiQvhcMDer_vWVEGKLvZtaTixJTLzcmXPtcCk145KIbCiIsPrC23og=='
```

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Menu:
1. Generate Key
2. Encrypt Data
3. Decrypt Data
4. Save Encrypted Data to File
5. Load Encrypted Data from File
6. Exit
Select an option: 6
Exiting...
PS C:\Users\user>
```

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