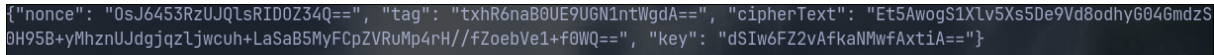
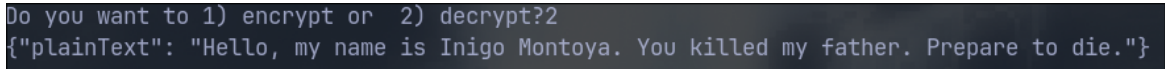


Lab08 - Block Ciphers - Baby Rijndael and AES

Part 01

1. **Encrypt the plaintext 372c using the key of 6b5d.**
 - a. **You need to output the labels for each state and the final ciphertext block to earn full credit.**
(10 points total)
 - b. Please upload a **separate document (like my example)** to Canvas.
(10 points total)
 - c. **Correct encrypted value** plainly shown
(10 points total)
2. **Functional code submitted to Canvas.**
(10 points total)

Part 02

3. **Include a screenshot of the json dumps result when encrypting the part02_plainText.json in your lab report. Must be 4 fields**
(10 points total)
 - 
4. **Include a screenshot of the json dumps result when decrypting the encrypted part02_plainText.json you just encrypted in your lab report.**
(10 points total)
 - 
5. Attempt to decrypt the cipherText found in part02_cipherText_a.json. *This will result in an **intentional** error for this part of the lab. Explain what the error means and why it would occur.*
(10 points total)
 - The message authentication code error in this situation means that there is something wrong with the expected authentication tag. If the expected tag during the decryption process doesn't match the one during decryption then this error can occur.
6. **Include a screenshot of the error in your lab report.**
(10 points total)

