

CECS 579 Assignment 1

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Question:

Using the following python code for Feistel cipher, find the Feistel cipher for your full name: FirstNameLastName. Upload your unique cipher and briefly mention which part or line of the code you modified to get the result.

Input:

FirstNameLastName: AkshayGujjar

Output:

Cipher (hexadecimal): b'4ac3a5c2b2c3be6fc2b476c3b4642e4c2532c2a82266'

Cipher (base64): b'SsOlwrLDvm/CtHbDtGQuTCUywqgiZg=='

Line of code changed:

```
input = "hello" to input = "AkshayGujjar"
```

Alternatively, we can also pass the FirstNameLastName as a command-line argument, which overrides the input as seen in the screenshot:

```
=====
[akshaygujjar@Akshays-MBP Desktop % python3 testcode.py AkshayGujjar
Input text:      AkshayGujjar
Key:             qwerty
Mode:            ecb

=====
Cipher:          b'4ac3a5c2b2c3be6fc2b476c3b4642e4c2532c2a82266'
Cipher:          b'SsOlwrLDvm/CtHbDtGQuTCUywqgiZg=='
Plain text:      AkshayGujjar
=====
```