## Lab 4 Report

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## 1. Page 8: two questions

Alice wants to send you a message, the encrypted cypher is:

c = 0x4e2c1f3cdd0ad977399813d9afaa13e1eb224665f9b35f988343d348570570fb Both Alice and Eve have your public key:

e = 0x10001

n = 0xa233271b7f7eec0e721c745aed5fb67e9d57cb5086863fd922ddae2760edd059

HW - Q1: Can Eve know the message from cypher?

A1: Unless Eve can factor the extremely large n, and produce the private key, she won't be able to decrypt the cipher text.

You have the private key

d = 0x314235ab3d320f8067994aa0de9c05b0bc346e83c8ba767d1684cc4b10d8aff1 n is the same

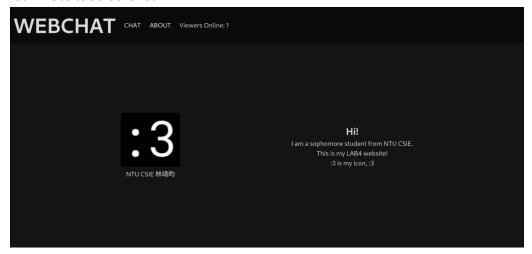
HW - Q2: What's the message? (the message is in the form: FLAG{...})

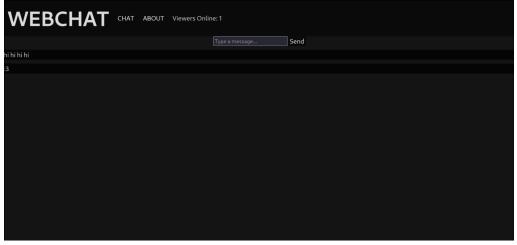
A2: FLAG{y0u kn0w 1254 n0w}

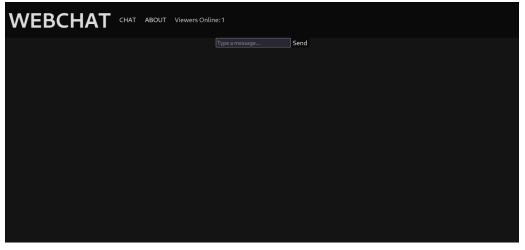
2. Create a website and deploy to GitHub Your URL Link:

https://lexicalerror.github.io/webchat/

Your Website Screenshot:







3. Simply introduce yourself in the website.