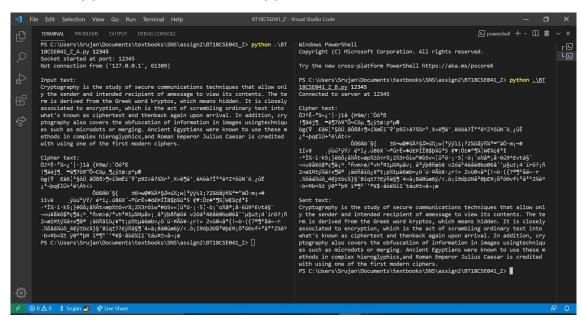
SNS ASSIGNMENT-2 PROGRAM INSTRUCTIONS

Srujan R, BT18CSE041

Z — 2-round Feistel Cipher:

- 1. First run Alice program with port number as command line input. Ex: python BT18CSE041_Z_A.py 12345
- 2. Next run Bob program with the same port number as Alice as command line input.

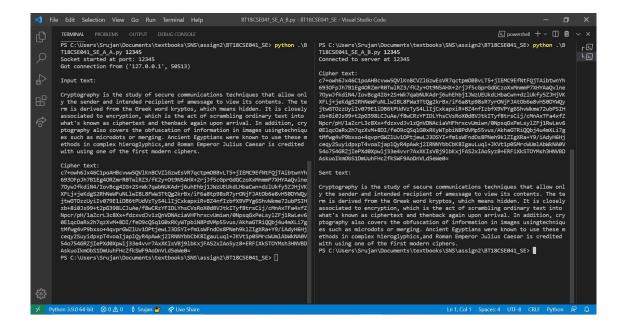
Ex: python BT18CSE041_Z_B.py 12345



SE — A Cipher Block Chaining (CBC):

- 1. First run Alice program with port number as command line input. Ex: python BT18CSE041_SE_A_A.py 12345
- 2. Next run Bob program with the same port number as Alice as command line input.

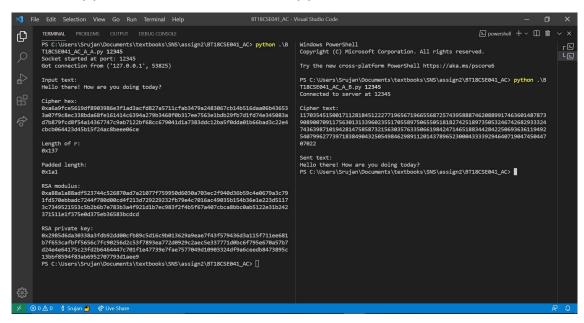
Ex: python BT18CSE041_SE_A_B.py 12345



AC — A OAEP construction of RSA:

- 1. First run Alice program with port number as command line input. Ex: python BT18CSE041_AC_A_A.py 12345
- 2. Next run Bob program with the same port number as Alice as command line input.

Ex: python BT18CSE041_AC_A_B.py 12345



EA — A Fiat-Shamir Protocol:

- 1. First run Alice program with port number as command line input. Ex: python BT18CSE041_EA_A_A.py 12345
- 2. Next run Bob program with the same port number as Alice as command line input.

Ex: python BT18CSE041_EA_A_B.py 12345



KM — A Needham - Schroeder Protocol:

1. First check whether the port numbers 12345 (KDC program), 12346 (Alice program) and 12347 (Bob program) are free or not.

Ex: netstat -ano \mid findstr 12345 , if any process with pid present can stop it using - kill pid

2. Run the KDC program.

Ex: python BT18CSE041_KM_A_Kdc.py

3. Run the Bob program.

Ex: python BT18CSE041_KM_A_B.py

4. Run the Alice program.

Ex: python BT18CSE041_KM_A_A.py

