README

Name: Parwani Jayati

How to Run the Code

Initial Steps

- Ensure python3 is installed in your desktop
- cd to boa code jayati folder
- compile and run parse_data.py. Output console should display the results and an index.html is created/updated in templates folder.
- You should see this on your output console:

```
Running| python -u "/Users/jayatiparwani/boa_code/parse_data.py"

Basic proofing check passed, as the SWIFT data contains a statement id, header, and the SWIFT BIC codes for sender and reciever. 100-01 OPBD Balance is the same.

ACCOUNT CUrrency Balance ASOfDateTS Type Source Difference

5491-00003011-MULT SGD 12052345.27 2022-07-04T11:00:00+00:00 CLBD Ledger NaN

5491-00003011-MULT SGD 15052345.27 2022-07-04T11:00:00+00:00 SWIFT 3000000.0

Difference between the CLBD balance in SWIFT and Ledger (as in SWIFT-LEDGER) is 3000000.0

Total difference between SWIFT and Ledger Transcations (as in SWIFT-LEDGER) is -3000000.0

Transcation Table Breaks:

ACCOUNT Balance TotalAmount Enteries Type MessageID PaymentID Difference

5491-00003011-MULT 1000000 11000000.0 11 Ledger None None NaN

5491-00003011-MULT 1000000 12000000.0 6 Ledger None None NaN

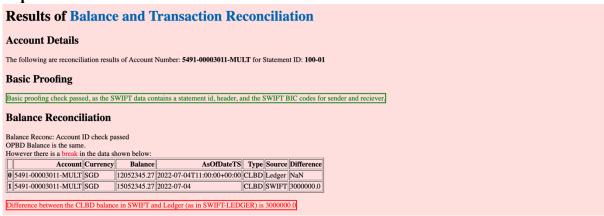
5491-00003011-MULT 2000000 12000000.0 5 SWIFT FINP-0055/002 FINP-0055/003 -20000000.0

[Done] exited with code=0 in 1.46 seconds
```

Run Flask

- Start a new terminal session.
- cd to boa_code_jayati directory. (You may not need to do this if you are running vs code terminal)
- run --> \$ python3 "flask framework.py" in your terminal <refer to image>
- If you see the link: http://127.0.0.1:5000 in your terminal, copy paste this link in your browser (preferred: Chrome/Safari) and you should be able to see the results in the expected results screenshot.

Expected Results:



In case of you are unable to view expected results and get the errors:

• If flask is not installed, install flask using the command:

run --> \$ pip3 install flask after you cd to boa_code_directory

• If you get the error below, your port 5000 is already in use.

- If you get the error below, your port 5000 is already in use.
- kill this terminal session, start a new terminal session.
- run --> \$ sudo lsof -i :3000
- enter your laptop Password
- run --> \$ kill -9 <PID>
- PID above is the number you see in the table. Refer to screenshot of steps below
- Re-run steps in the last slide.
- In case, there are still errors, please open index.html directly from templates folder in boa_code_jayati folder and I have also attached a pdf of expected results called "results on webpage"

```
i jayatiparwani — -bash — 112×24

Last login: Fri Jul 15 14:13:03 on ttys000
((base) Jayatis-MacBook-Pro:- jayatiparwani$ sudo lsof -i :5000

Password:
COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME
python3.8 4239 jayatiparwani 4u IPv4 0xe5e473d9ead2a035 0t0 TCP localhost:commplex-main (LISTEN)
(base) Jayatis-MacBook-Pro:- jayatiparwani$ kill -9 4239

[(base) Jayatis-MacBook-Pro:- jayatiparwani$
```