Meteb Almadi

200304

Github link: https://github.com/metebalmadi/SE443Project 200304.git

Screenshots:

Part 1 Code and output:

Output:

```
[Running] python -u "c:\Users\meteb\OneDrive\Desktop\SE443Project\Broker_Part1.py"
Swarm's ID: lgtvflhlyfqriy4o2rug6xmzm
Swarm's Name: default
Swarm's Creation Date: 2022-12-21T20:23:55.9271235Z
Network's ID: hl5p9z9di5xecl8crtzpl7f5z
Network's Name: se443 test net
Network's Creation Date: 2022-12-21T20:23:56.5240451Z
Leave it running for 5 minutes...
Termination Broker service...
Termination is complete
               broker.1.i8qteouukcpoopcyu3rihu8pt
  5 seconds agc ■
                                                                   eclipse-mo Running
               f96ce8059a42 🗀
               broker.2.acjz9lcnr2ik8hjjbmgi7hn8n
  eclipse-mo Running
                                                                                                        5 seconds agc
               broker.3.zwdt36zk7gj1v9g4wlhs6badf
                                                                                                        0 seconds agc ■
  eclipse-mo Running
               75ddf6b7e99b 🗀
                                                                                                           Showing 11 items
```

Part 2 Code:

Output:

```
Running] python -u "c:\Users\meteb\OneDrive\Desktop\SE443Project\Sub_Pub_Part2.py'
Network ID: 1ht5nm1gogjntxaj9mkn5h8ia
Network Name: se443_test_net
Network Creation Date: 2022-12-21T20:31:55.661702Z
Susbcriber's ID: s55lkds2fspvzjhl0dvshmo74
Susbcriber's Name: Subscriber
Susbcriber's Creation Date: 2022-12-21T20:31:55.8881222Z
Susbcriber's Number Of Replicas: 3
Publisher's ID: drsj8ll456glqqc4kbnmymykh
Publisher's Name: Publisher
Publisher's Creation Date: 2022-12-21T20:31:56.2610227Z
Publisher's Number Of Replicas: 3
Leave it running for 5 minutes...
Terminating Publisher, Subscriber, and Network services and finally leaving the swarm
Publisher Terminated....
Subscriber Terminated....
Network Terminated....
Swarm Left Forcefully....
```

		Subscriber.1.pjdlfqdoj4sl22xzw2r2gl1dt f38132798808 □	efrecon/m	Exited (1)		•
		Publisher.2.orjb48gfz6sbu4nctzpa1ovbb c0650151176f 🗓		Exited (1)		•
		Publisher.1.pomnz16dpdre4vuu9buq867g4 4833fe752cd7 🗓		Exited (1)		•
		Subscriber.3.jkq62e2zq1q6mjosjx96a46nf b8ffa1cbb4e8 🗓		Running	2 seconds agc	•
		Publisher.3.pao1dxyhcfwbasijf62eznjwv 8dd3b6d0935b 🗓		Running	2 seconds agc	•
		Subscriber.2.d803hjzlgb67gupx4rfbhu908	efrecon/m	Running	2 seconds agc	