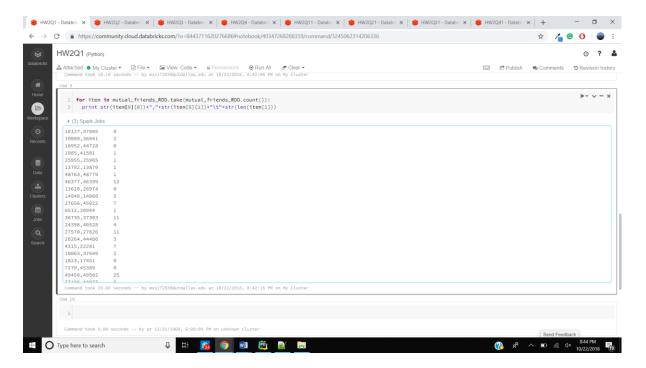
## Homework 2 Name: Maitri Dharmendrakumar Shah NetID: mxs172030

Q1:

Spark Code: Command:

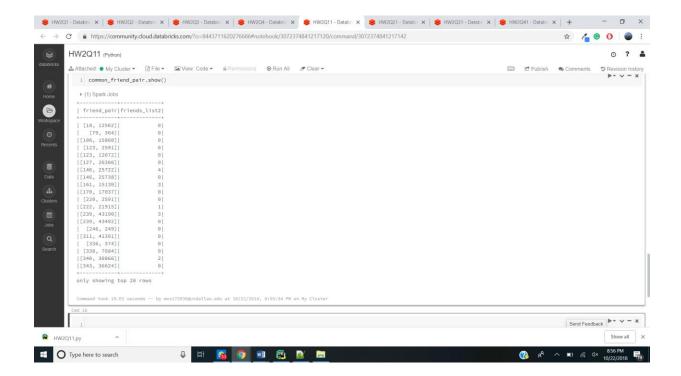
Python HW2Q1.py

Answer snapshot:



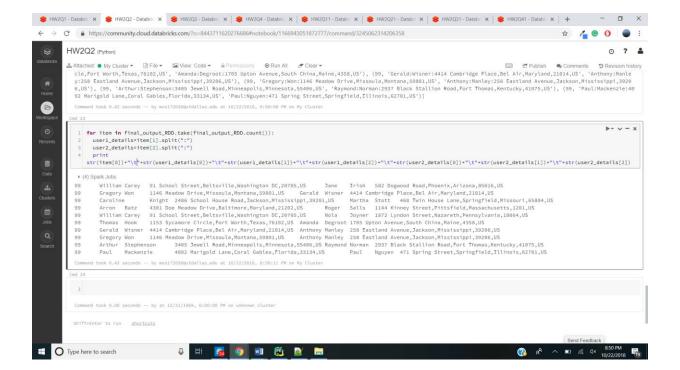
Spark SQL: Command:

Python HW2Q11.py Answer Snapshot:

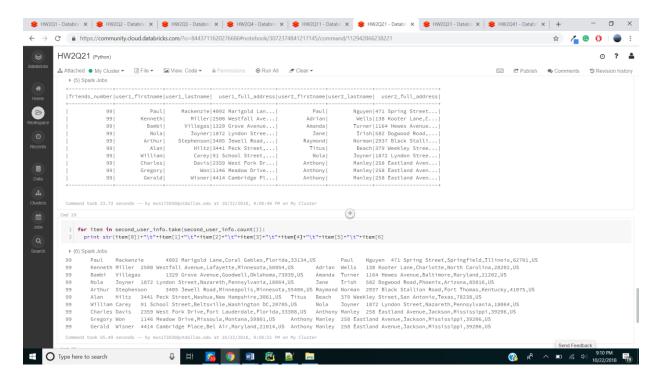


Q2: Spark Code: Command: Python HW2Q2.py

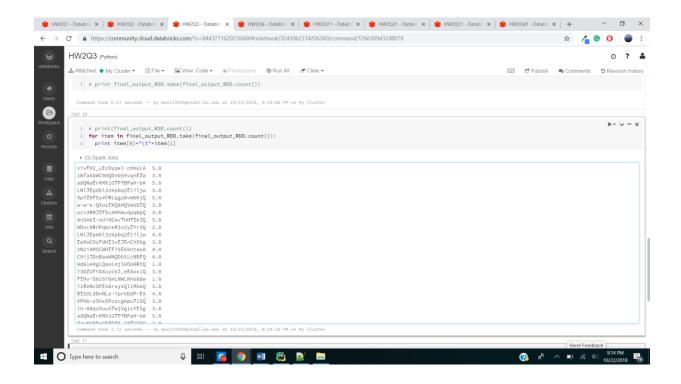
Answer Snapshot:



Spark SQL: Command: Python HW2Q21.py Answer Snapshot:

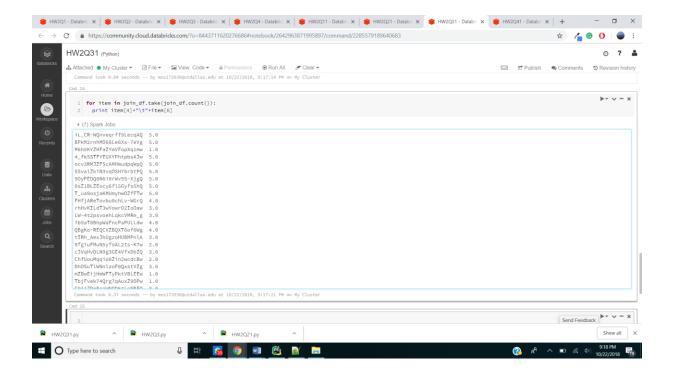


Q3: Spark Code: Command: Python HW2Q3.py Answer Snapshot:



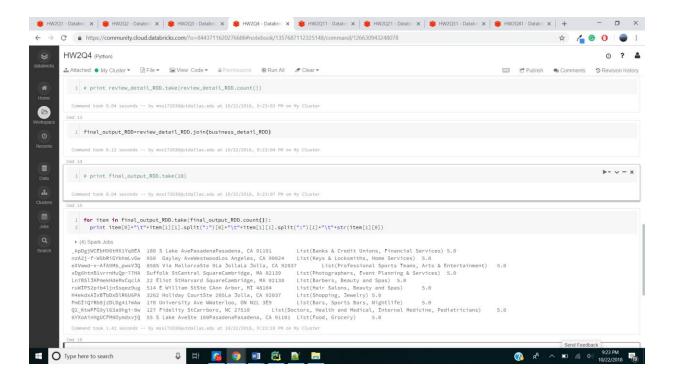
## Spark SQL: Command:

Python HW2Q31.py Answer Snapshot:



Q4: Spark Code: Command: Python HW2Q4.py

Answer Snapshot:



Spark SQL: Command: Python HW2Q41.py Answer Snapshot:

