1. Copy all the \*.csv files under /Data/Processing/Neo4j to the import folder using ’Neo4j Desktop’
2. Execute the below query,
   * ./bin/neo4j-admin import --database neo4j --nodes=Amenity=import/Amenity.csv --nodes=City=import/City.csv --nodes=State=import/State.csv --nodes=Country=import/Country.csv --nodes=Listing=import/Listings.csv --nodes=property\_type=import/Property\_type.csv --nodes=room\_type=import/Room\_type.csv --nodes=User=import/User.csv --relationships=RATED="import/user\_rating\_header.csv,import/user\_rating.csv" --relationships=HAS\_AMENITY="import/amenity\_header.csv,import/Amenity\_Listing.csv" --relationships=HAS\_CITY="import/city\_header.csv,import/City\_Listing.csv" --relationships=HAS\_STATE="import/state\_header.csv,import/State\_Listing.csv" --relationships=HAS\_COUNTRY="import/country\_header.csv,import/Country\_Listing.csv" --relationships=HAS\_PROPERTY\_TYPE="import/property\_type\_header.csv,import/property\_type\_Listing.csv" --relationships=HAS\_ROOM\_TYPE="import/room\_type\_header.csv,import/room\_type\_Listing.csv" --trim-strings=true;

(base) sudhavijayakumar@Sudhas-MacBook-Pro dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3 % ./bin/neo4j-admin import --database neo4j --nodes=Amenity=import/Amenity.csv --nodes=City=import/City.csv --nodes=State=import/State.csv --nodes=Country=import/Country.csv --nodes=Listing=import/Listings.csv --nodes=property\_type=import/Property\_type.csv --nodes=room\_type=import/Room\_type.csv --nodes=User=import/User.csv --relationships=RATED="import/user\_rating\_header.csv,import/user\_rating.csv" --relationships=HAS\_AMENITY="import/amenity\_header.csv,import/Amenity\_Listing.csv" --relationships=HAS\_CITY="import/city\_header.csv,import/City\_Listing.csv" --relationships=HAS\_STATE="import/state\_header.csv,import/State\_Listing.csv" --relationships=HAS\_COUNTRY="import/country\_header.csv,import/Country\_Listing.csv" --relationships=HAS\_PROPERTY\_TYPE="import/property\_type\_header.csv,import/property\_type\_Listing.csv" --relationships=HAS\_ROOM\_TYPE="import/room\_type\_header.csv,import/room\_type\_Listing.csv" --trim-strings=true;

Selecting JVM - Version:11.0.8, Name:OpenJDK 64-Bit Server VM, Vendor:Azul Systems, Inc.

Neo4j version: 4.3.3

Importing the contents of these files into /Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/data/databases/neo4j:

Nodes:

[Amenity]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/Amenity.csv

[User]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/User.csv

[Listing]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/Listings.csv

[State]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/State.csv

[property\_type]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/Property\_type.csv

[Country]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/Country.csv

[City]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/City.csv

[room\_type]:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/Room\_type.csv

Relationships:

HAS\_PROPERTY\_TYPE:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/property\_type\_header.csv

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/property\_type\_Listing.csv

HAS\_CITY:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/city\_header.csv

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/City\_Listing.csv

HAS\_AMENITY:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/amenity\_header.csv

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/Amenity\_Listing.csv

RATED:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/user\_rating\_header.csv

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/user\_rating.csv

HAS\_STATE:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/state\_header.csv

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/State\_Listing.csv

HAS\_COUNTRY:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/country\_header.csv

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/Country\_Listing.csv

HAS\_ROOM\_TYPE:

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/room\_type\_header.csv

/Users/sudhavijayakumar/Library/Application Support/Neo4j Desktop/Application/relate-data/dbmss/dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3/import/room\_type\_Listing.csv

Available resources:

Total machine memory: 16.00GiB

Free machine memory: 6.902GiB

Max heap memory : 1.000GiB

Processors: 8

Configured max memory: 13.50GiB

High-IO: true

WARNING: heap size 1.000GiB may be too small to complete this import. Suggested heap size is 1.000GiB

Import starting 2021-11-27 20:00:56.749-0800

Estimated number of nodes: 250.51 k

Estimated number of node properties: 548.57 k

Estimated number of relationships: 418.95 k

Estimated number of relationship properties: 247.47 k

Estimated disk space usage: 38.99MiB

Estimated required memory usage: 1023MiB

(1/4) Node import 2021-11-27 20:00:56.769-0800

Estimated number of nodes: 250.51 k

Estimated disk space usage: 15.73MiB

Estimated required memory usage: 1023MiB

.......... .......... .......... .......... .......... 5% ∆616ms

.......... .......... .......... .......... .......... 10% ∆2ms

......-... .......... .......... .......... .......... 15% ∆39ms

.......... .......... .......... .......... .......... 20% ∆1ms

.......... .......... .......... .......... .......... 25% ∆201ms

.......... .......... .......... .......... .......... 30% ∆108ms

.......... .......... .......... .......... .......... 35% ∆0ms

.......... .......... .......... .......... .......... 40% ∆1ms

.......... .......... .......... .......... .......... 45% ∆0ms

.......... .......... .......... .......... .......... 50% ∆0ms

.......... .......... .......... .......... .......... 55% ∆1ms

.......... .......... .......... .......... .......... 60% ∆0ms

.......... .......... .......... .......... .......... 65% ∆0ms

.......... .......... .......... .......... .......... 70% ∆0ms

.......... .......... .......... .......... .......... 75% ∆1ms

.......... .......... .......... .......... .......... 80% ∆0ms

.......... .......... .......... .......... .......... 85% ∆0ms

.......... .......... .......... .......... .......... 90% ∆1ms

.......... .......... .......... .......... .......... 95% ∆0ms

.......... .......... .......... .......... .......... 100% ∆0ms

Node import COMPLETED in 1s 133ms

(2/4) Relationship import 2021-11-27 20:00:57.903-0800

Estimated number of relationships: 418.95 k

Estimated disk space usage: 23.26MiB

Estimated required memory usage: 1.004GiB

.......... .......... .......... .......... .......... 5% ∆297ms

.......... .......... .......... .......... .......... 10% ∆201ms

.......... .......... .......... .......... .......... 15% ∆1ms

.......... .......... .......... .......... .......... 20% ∆0ms

.......... .......... .......... .......... .......... 25% ∆0ms

.......... .......... .......... .......... .......... 30% ∆0ms

.......... .......... .......... .......... .......... 35% ∆0ms

.......... .......... .......... .......... .......... 40% ∆0ms

.......... .......... .......... .......... .......... 45% ∆833ms

.......... .......... .......... .......... .......... 50% ∆0ms

.......... .......... .......... .......... .......... 55% ∆1ms

.......... .......... .......... .......... .......... 60% ∆0ms

.......... .......... .......... .......... .......... 65% ∆0ms

.......... .......... .......... .......... .......... 70% ∆0ms

.......... .......... .......... .......... .......... 75% ∆0ms

.......... .......... .......... .......... .......... 80% ∆1ms

.......... .......... .......... .......... .......... 85% ∆0ms

.......... .......... .......... .......... .......... 90% ∆0ms

.......... .......... .......... .......... .......... 95% ∆0ms

.......... .......... .......... .......... .......... 100% ∆0ms

Relationship import COMPLETED in 1s 335ms

(3/4) Relationship linking 2021-11-27 20:00:59.238-0800

Estimated required memory usage: 1023MiB

-......... .......... .......... .......... .......... 5% ∆898ms

.......... .......... .......... .......... .......... 10% ∆0ms

.......... .......... .......... .......... .......... 15% ∆0ms

.......... .......... .......... .......... .......... 20% ∆1ms

.......... .......... .......... .......... .......... 25% ∆0ms

.......... .......... .......... .......... .......... 30% ∆0ms

.......... .......... .......... .......... .......... 35% ∆1ms

.......... .......... .......... .......... .......... 40% ∆0ms

.......... .......... .......... .......... .......... 45% ∆0ms

.......... .......... .......... .......... .......... 50% ∆1ms

.......... .......... .......... .......... .......... 55% ∆0ms

.......... .......... .......... .......... .......... 60% ∆0ms

.......... .......... .......... .......... .......... 65% ∆1ms

.......... .......... .......... .......... .......... 70% ∆0ms

.......... .......... .......... .......... .......... 75% ∆0ms

.......... .......... .......... .......... .......... 80% ∆1ms

.......... .......... .......... .......... .......... 85% ∆0ms

.......... .......... .......... .......... .......... 90% ∆0ms

.......... .......... .......... .......... .......... 95% ∆1ms

.......... .......... .......... .......... .......... 100% ∆0ms

Relationship linking COMPLETED in 1s 453ms

(4/4) Post processing 2021-11-27 20:01:00.691-0800

Estimated required memory usage: 1020MiB

..-....... .......... .......... .......... .......... 5% ∆1s 32ms

.......... .......... .......... .......... .......... 10% ∆1ms

.......... .......... .......... .......... .......... 15% ∆1ms

.......... .......... .......... .......... .......... 20% ∆0ms

.......... .......... .......... .......... .......... 25% ∆1ms

.......... .......... .......... .......... .......... 30% ∆0ms

.......... .......... .......... .......... .......... 35% ∆1ms

.......... .......... .......... .......... .......... 40% ∆0ms

.......... .......... .......... .......... .......... 45% ∆1ms

.......... .......... .......... .......... .......... 50% ∆0ms

.......... .......... .......... .......... .......... 55% ∆1ms

.......... .......... .......... .......... .......... 60% ∆0ms

.......... .......... .......... .......... .......... 65% ∆1ms

.......... .......... .......... .......... .......... 70% ∆0ms

.......... .......... .......... .......... .......... 75% ∆0ms

.......... .......... .......... .......... .......... 80% ∆1ms

.......... .......... .......... .......... .......... 85% ∆0ms

.......... .......... .......... .......... .......... 90% ∆1ms

.......... .......... .......... .......... .......... 95% ∆0ms

.......... .......... .......... .......... .......... 100% ∆0ms

Post processing COMPLETED in 2s 650ms

IMPORT DONE in 7s 216ms.

Imported:

247376 nodes

418744 relationships

789559 properties

Peak memory usage: 1.035GiB

(base) sudhavijayakumar@Sudhas-MacBook-Pro dbms-15a56bdf-9a4e-4c83-aa7a-59be764199b3 %