CASSANDRA

Code to create streaming keyspace:

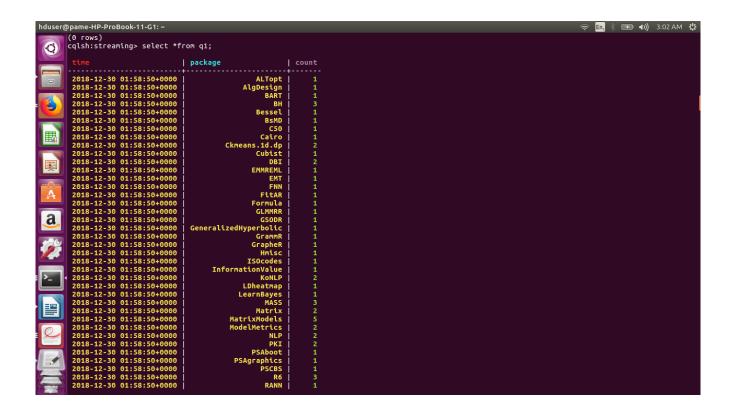
```
CREATE KEYSPACE streaming
WITH REPLICATION = { 'class': 'SimpleStrategy', 'replication_factor': 1 };
```

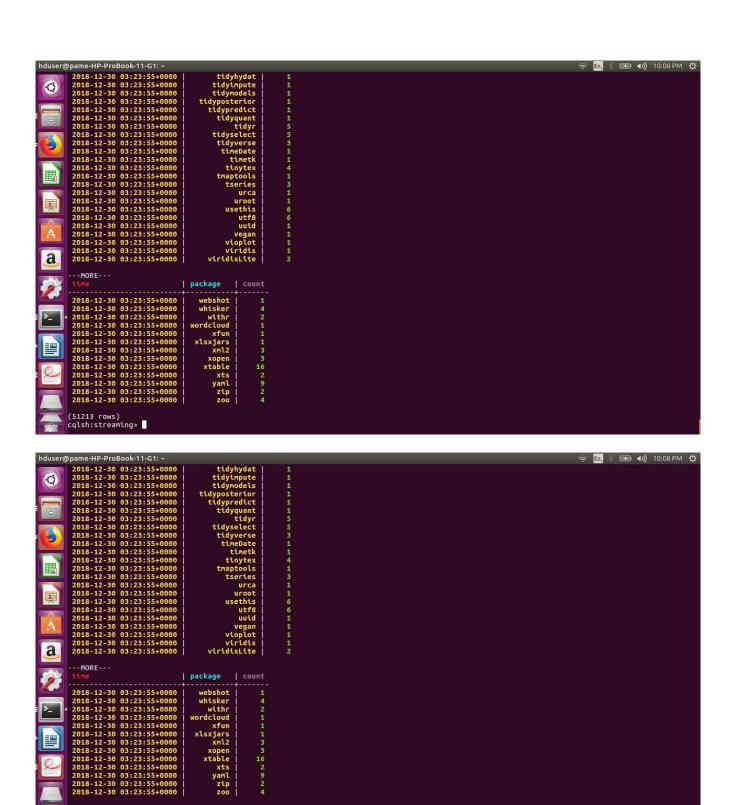
Streaming Computations:

Q1. To calculate the number of downloads of each package.

CQL Code Table:

:cqlsh:streaming> CREATE TABLE q1 (time text, package text, count int, PRIMARY KEY(time, package));





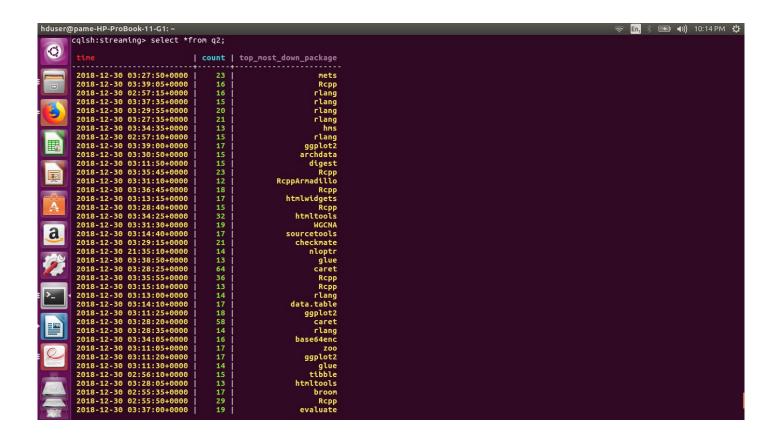
xmt2 xopen | xtable | xts | yaml | zip | zoo |

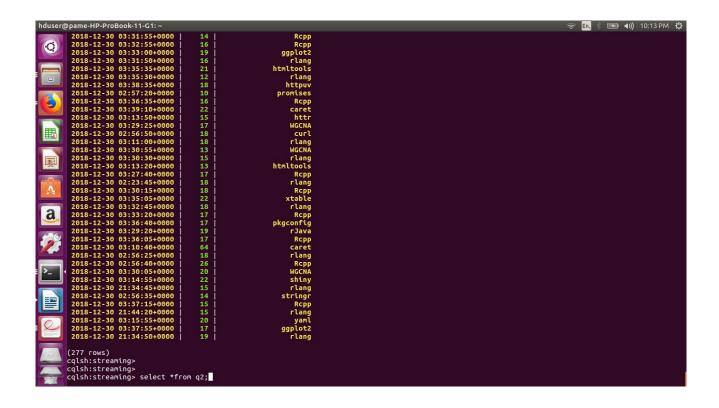
(51213 rows)
cqlsh:streaming>

Q2.To find the top most downloaded package.

CQL Code Table:

:cqlsh:streaming> CREATE TABLE q2 (time text, top_most_down_package text, count int, PRIMARY KEY(time, count));

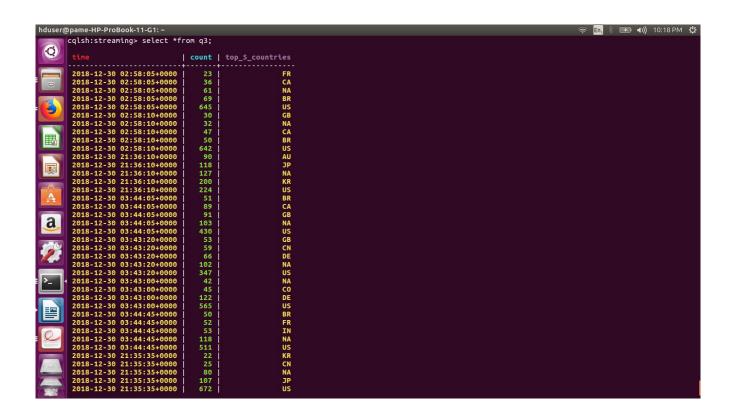


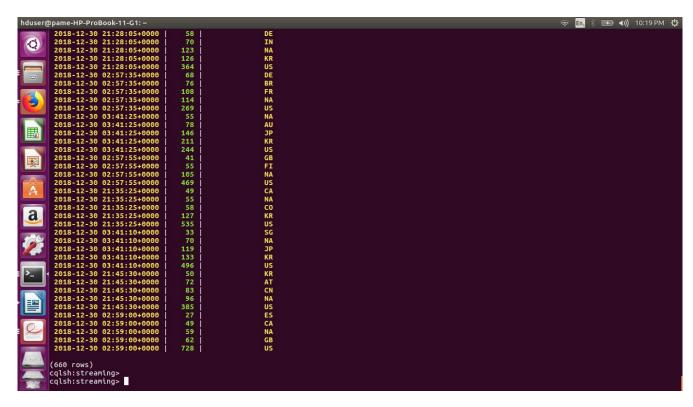


Q3. To find the top 5 countries along with number of downloads.

CQL Code Table:

:cqlsh:streaming> CREATE TABLE q3 (time text, top_5_countries text, count int, PRIMARY KEY(time, count));





Q4. To find number of downloads for ggplot2 package.

CQL Code Table:

:cqlsh:streaming> CREATE TABLE q4 (time text, package text, count int, PRIMARY KEY(time, package));

