

# 01\_CQL

READY



```
%sh
STATUS="$(service cassandra status)"

if [[ $STATUS == *"is running"* ]]; then
    echo "Cassandra is running"
else
    echo " Cassandra not running .... Starting"
    service cassandra restart > /dev/null 2>&1 &
    echo " Started"
fi
```

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## Exercise 1 – CQL

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In this exercise, you will:

- Create a keyspace for YooToob
- Create a table to store video metadata
- Load the data for the video table from a CSV file

## Steps

Welcome to the YooToob company! YooToob hired you to build the latest and greatest video sharing application on the Internet. Your task is to ramp up on the domain and become acquainted with Apache Cassandra™. To start, you decided to look into creating a table schema and to load some video data.

The video metadata is made up of:

Column Name	Data Type
video_id	timeuuid
added_date	timestamp
title	text

1. Make sure Apache Cassandra is still running with nodetool status. If not, restart Apache Cassandra.

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2. In the terminal window, verify cqlsh is working:

%sh  
cqlsh

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3. In cqlsh, create a keyspace called YooToob. Use SimpleStrategy for the replication class with a replication factor of one.

%cassandra

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4. In cqlsh switch to the newly created keyspace with the USE command.

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5. Create a single table called videos with the same structure as shown above. video\_id is the primary key.

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6. Manually insert a single record into the table using INSERT command. Use the first row from the table below:

video_id	added_date	title
1645ea59-14bd-11e5-a993-8138354b7e31	2014-01-29	Cassandra History
245e8024-14bd-11e5-9743-8238356b7e32	2012-04-03	Cassandra & SSDs
3452f7de-14bd-11e5-855e-8738355b7e3a	2013-03-17	Cassandra Intro
4845ed97-14bd-11e5-8a40-8338255b7e33	2013-10-16	DataStax DevCenter
5645f8bd-14bd-11e5-af1a-8638355b8e3a	2013-04-16	What is DataStax Enterprise?

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7. Write a select statement to verify your record was inserted.

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8. Insert the second record as well and run a select statement to verify it's there.

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9. Let's remove the data you inserted using the TRUNCATE command.

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10. Execute the following command to import data into your videos table.

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```
INSERT INTO videos (video_id, added_date, title)
VALUES (1645ea59-14bd-11e5-a993-8138354b7e31, '2014-01-29', 'Cassandra History');

INSERT INTO videos (video_id, added_date, title)
VALUES (245e8024-14bd-11e5-9743-8238356b7e32, '2012-04-03', 'Cassandra & SSDs');

INSERT INTO videos (video_id, added_date, title)
VALUES (3452f7de-14bd-11e5-855e-8738355b7e3a, '2013-03-17', 'Cassandra Intro');

INSERT INTO videos (video_id, added_date, title)
VALUES (4845ed97-14bd-11e5-8a40-8338255b7e33, '2013-10-16', 'Apache Cassandra');

INSERT INTO videos (video_id, added_date, title)
VALUES (5645f8bd-14bd-11e5-af1a-8638355b8e3a, '2013-04-16', 'What is Apache Cassandra?');
```

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11. Use SELECT to verify the data loaded correctly.

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12. Use SELECT to COUNT(\*) the number of imported rows. It should match the number of rows COPY reported as imported.

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