

CQL Example

```
SELECT name,surname FROM people
```

<https://docs.datastax.com/en/cql-oss/3.3/cql/cqlIntro.html>

Describe Cluster

```
DESCRIBE CLUSTER
```

```
[cqlsh> DESCRIBE CLUSTER
```

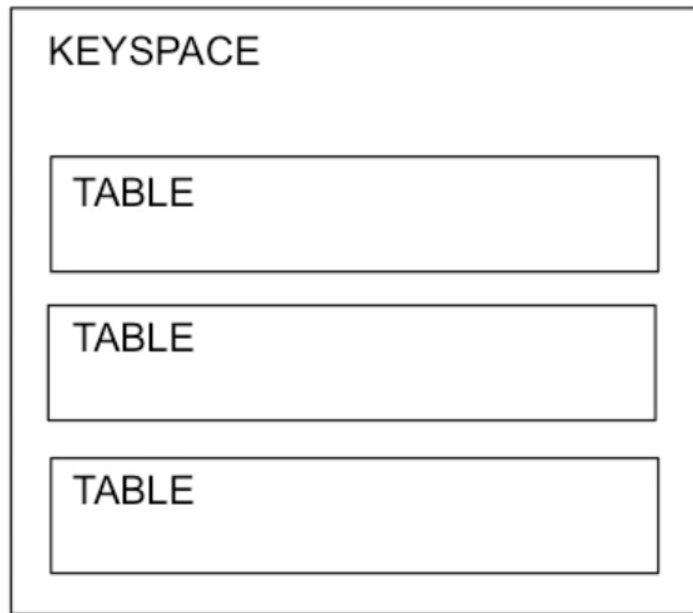
```
Cluster: Test Cluster  
Partitioner: Murmur3Partitioner  
Snitch: DynamicEndpointSnitch
```

Exit from command line

```
exit
```

KEYSPACE

Keyspace is a database in Cassandra.



```
describe keyspaces
```

```
describe keyspace system
```

CREATE KEYSPACE

```
create keyspace user WITH REPLICATION =  
{'class':'NetworkTopologyStrategy','dc1':3,'dc2':2} ;
```

```
create keyspace user_transaction WITH REPLICATION =  
{'class':'SimpleStrategy','replication_factor':1} ;
```

DROP KEYSPACE

```
drop keyspace user_transaction;
```

CREATE TABLE

```
use user_transaction;
```

person_id	transaction_id	city	datetime
123	1	ANK	2023-07-24 18:28
123	2	IST	2023-07-23 18:28
124	3	ANK	2023-07-22 18:28

```
create table user_transaction (person_id bigint, transaction_id bigint, city text, datetime timestamp, PRIMARY KEY(person_id, transaction_id));
```

Primary key: `person_id, transaction_id`

Partition key: `person_id`

ascii	list
bigint	map
blob	set
boolean	text
counter	timestamp
decimal	uuid
double	timeuuid
float	varchar
inet	varint
int	

CLUSTER ORDER

```
) WITH CLUSTERING ORDER BY (transaction_id DESC);
```

Let's create the first table

```
create table user_transaction (person_id bigint, transaction_id bigint, city
text, datetime timestamp, PRIMARY KEY(person_id, transaction_id)) WITH
CLUSTERING ORDER BY (transaction_id DESC);
```

```
[cqlsh:user_transaction> create table user_transaction (person_id bigint, transaction_id bigint, city text, datetime timestamp, PRIMARY KEY(person_id, transaction_id)) WITH CLUSTERING ORDER BY (transaction_id DESC);  
[cqlsh:user_transaction> describe user_transaction; ]
```

```
CREATE KEYSPACE user_transaction WITH replication = {'class': 'SimpleStrategy',  
'replication_factor': '1'} AND durable_writes = true;
```

```
CREATE TABLE user_transaction.user_transaction (  
    person_id bigint,  
    transaction_id bigint,  
    city text,  
    datetime timestamp,  
    PRIMARY KEY (person_id, transaction_id)  
) WITH CLUSTERING ORDER BY (transaction_id DESC)  
    AND additional_write_policy = '99p'  
    AND bloom filter fp chance = 0.01
```