

Aim : Commands in impala**impala-shell**

```
[cloudera@quickstart ~]$ impala-shell
Starting Impala Shell without Kerberos authentication
Connected to quickstart.cloudera:21000
Server version: impalad version 2.2.0-cdh5.4.2 RELEASE (build b7f0e80e29971632ae1c422243d56c9ef65b8c5b)
Welcome to the Impala shell. Press TAB twice to see a list of available commands
.
```

```
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```

```
(Shell build version: Impala Shell v2.2.0-cdh5.4.2 (b7f0e80) built on Tue May 19
16:45:28 PDT 2015)
```

select version();

```
[quickstart.cloudera:21000] > select version();
Query: select version()
+-----+
| version() |
+-----+
| impalad version 2.2.0-cdh5.4.2 RELEASE (build b7f0e80e29971632ae1c422243d56c9ef65b8c5b) |
| Built on Tue, 19 May 2015 17:00:53 PST |
+-----+
Fetches 1 row(s) in 0.41s
[quickstart.cloudera:21000] > █
```

Show databases: This command will list existing databases in impala.

show databases;

```
[quickstart.cloudera:21000] > show databases;
```

```
Query: show databases
```

name
_impala_builtins
default
jdk
licdw
rjcollege

select current_database();

```
[quickstart.cloudera:21000] > select current_database();
```

```
Query: select current_database()
```

current_database()
default

show tables;

```
[quickstart.cloudera:21000] > show tables;
```

```
Query: show tables
```

name
sample_07
sample_08

show tables in jdk;

```
[quickstart.cloudera:21000] > show tables;
```

```
Query: show tables
```

name
sample_07
sample_08

show tables like 'sample*';

```
[quickstart.cloudera:21000] > show tables like 'sample*';
```

```
Query: show tables like 'sample*'
```

```
+-----+
| name   |
+-----+
| sample_07 |
| sample_08 |
+-----+
```

```
Fetches 2 row(s) in 0.11s
```

Create a database: This command is used to create a database.

Syntax: `create database <database_name>`

create database RJ;

```
[quickstart.cloudera:21000] > create database RJ;
```

```
Query: create database RJ
```

show databases;

```
[quickstart.cloudera:21000] > show databases;
```

```
Query: show databases
```

```
+-----+
| name   |
+-----+
| _impala_builtins |
| default |
| jdk     |
| licdw   |
| rj      |
| rjcollege |
+-----+
```

```
Fetches 6 row(s) in 0.14s
```

use RJ;

```
[quickstart.cloudera:21000] > use RJ;
```

```
Query: use RJ
```

Create table: This command is used to create tables.

Syntax: `create table <table_name>(field_name1 data_type, field_name2 data_type);`

create table t1 (x int);

Query: `create table t1 (x int)`

Fetches 0 row(s) in 0.37s

Show tables is used to view all the tables in current database

show tables;

Query: `show tables`

```
+-----+
| name |
+-----+
| t1   |
+-----+
```

Fetches 1 row(s) in 0.13s

select current_database();

[quickstart.cloudera:21000] > `select current_database();`

Query: `select current_database();`

```
+-----+
| current_database() |
+-----+
| RJ                 |
+-----+
```

Fetches 1 row(s) in 0.16s

Insert: This command is used to insert records in either overwrite or append record in tables.

Syntax: Insert into <database_name>.<table_name> values(field_value1,
field_value2)

insert into t1 values (1),(3),(2),(4);

```
[quickstart.cloudera:21000] > select x from t1 order by x desc;
Query: select x from t1 order by x desc
+----+
| x |
+----+
| 4 |
| 3 |
| 2 |
| 1 |
+----+
Fetched 4 row(s) in 0.82s
```

Order by : This is used to sort the data

select x from t1 order by x desc;

```
[quickstart.cloudera:21000] > select x from t1 order by x desc;
Query: select x from t1 order by x desc
+----+
| x |
+----+
| 4 |
| 3 |
| 2 |
| 1 |
+----+
Fetched 4 row(s) in 0.82s
```

Aggregate functions:**select min(x), max(x), sum(x), avg(x) from t1;**

```
[quickstart.cloudera:21000] > select min(x), max(x), sum(x), avg(x) from t1;  
Query: select min(x), max(x), sum(x), avg(x) from t1
```

```
+-----+-----+-----+-----+  
| min(x) | max(x) | sum(x) | avg(x) |  
+-----+-----+-----+-----+  
| 1      | 4      | 10     | 2.5    |  
+-----+-----+-----+-----+
```

```
Fetchd 1 row(s) in 0.88s
```