

```
ssh student3_10@37.139.32.56 -D localhost:8080
```

```
CREATE KEYSPACE student3_10
WITH REPLICATION = {
  'class': 'SimpleStrategy', 'replication_factor': 1 };
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56 -D localhost:8080
Last login: Sun Apr 25 16:11:16 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ ls
flm  test.java
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10
...
... WITH REPLICATION = {
...   'class': 'SimpleStrategy', 'replication_factor': 1 }
...
cqlsh>
```

```
CREATE TABLE animals(id int, name text, size text, primary key (id));
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10
...
... WITH REPLICATION = {
...   'class': 'SimpleStrategy', 'replication_factor': 1 }
...
cqlsh> CREATE TABLE animals
... (id int,
... name text,
... size text,
... primary key (id));
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"
cqlsh>
```

```
docker run --name some-cassandra --network some-network -d cassandra
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
cqlsh> CREATE TABLE animals(id int, name text, size text, primary key (id));
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"
cqlsh> docker run --name some-cassandra --network some-network -d cassandra
...
SyntaxException: line 1:0 no viable alternative at input 'docker' ([docker]...)
cqlsh> docker run --name some-cassandra --network some-network -d cassandra;
...
SyntaxException: line 1:0 no viable alternative at input 'docker' ([docker]...)
cqlsh> docker run --name some-cassandra --network some-network -d cassandra
...
SyntaxException: line 1:0 no viable alternative at input 'docker' ([docker]...)
cqlsh>
```

```
hbase shell
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
-bash-4.2$ hbase shell
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
For Reference, please visit: http://hbase.apache.org/2.0/book.html#shell
Version 2.0.2.3.1.4.0-315, r, Fri Aug 23 05:15:48 UTC 2019
Took 0.0028 seconds
hbase(main):001:0>
```

```
create_namespace 'lesson7'
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.executeProcedure(ProcedureExecutor.java:1596)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.access$1200(ProcedureExecutor.java:80)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor$WorkerThread.run(ProcedureExecutor.java:2141)

Create namespace; pass namespace name,
and optionally a dictionary of namespace configuration.
Examples:

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 2.3625 seconds
hbase(main):002:0>
```

```
create_namespace 'lesson7_3'
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.executeProcedure(ProcedureExecutor.java:1596)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.access$1200(ProcedureExecutor.java:80)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor$WorkerThread.run(ProcedureExecutor.java:2141)

Create namespace; pass namespace name,
and optionally a dictionary of namespace configuration.
Examples:

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 0.1337 seconds
hbase(main):003:0>
```

create 'lesson7_3:animals', 'name', 'size'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

hbase> create 't1', 'f1', {NUMREGIONS => 15, SPLITALGO => 'HexStringSplit'}
hbase> create 't1', 'f1', {NUMREGIONS => 15, SPLITALGO => 'HexStringSplit', REGION_REPLICATION => 2, CONFIGURATION => {'hbase.hregion.scan.loadColumnFamiliesOnDemand' => 'true'}}
hbase> create 't1', {NAME => 'f1', DFS_REPLICATION => 1}

You can also keep around a reference to the created table:

hbase> t1 = create 't1', 'f1'

Which gives you a reference to the table named 't1', on which you can then
call methods.

Took 0.2096 seconds
hbase(main):004:0>
```

put 'lesson7:animals', '3', 'name', 'Deer'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

hbase> create 't1', {NAME => 'f1', DFS_REPLICATION => 1}

You can also keep around a reference to the created table:

hbase> t1 = create 't1', 'f1'

Which gives you a reference to the table named 't1', on which you can then
call methods.

Took 0.2096 seconds
hbase(main):004:0> put 'lesson7:animals', '3', 'name', 'Deer'
Took 0.3503 seconds
hbase(main):005:0>
```

put 'lesson7:animals', '3', 'size', 'Big'
put 'lesson7:animals', '5', 'name', 'Snake'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

hbase> t1 = create 't1', 'f1'

Which gives you a reference to the table named 't1', on which you can then
call methods.

Took 0.2096 seconds
hbase(main):004:0> put 'lesson7:animals', '3', 'name', 'Deer'
Took 0.3503 seconds
hbase(main):005:0> put 'lesson7:animals', '3', 'size', 'Big'
Took 0.0089 seconds
hbase(main):006:0> put 'lesson7:animals', '5', 'name', 'Snake'
Took 0.0202 seconds
hbase(main):007:0>
```

get 'lesson7:animals', '5', 'name', 'Snake'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

hbase> t.get 'r1', {COLUMN => ['c1', 'c2', 'c3']}
hbase> t.get 'r1', {COLUMN => 'c1', TIMESTAMP => ts1}
hbase> t.get 'r1', {COLUMN => 'c1', TIMETRANGE => [ts1, ts2], VERSIONS => 4}
hbase> t.get 'r1', {COLUMN => 'c1', TIMESTAMP => ts1, VERSIONS => 4}
hbase> t.get 'r1', {FILTER => "ValueFilter(=, 'binary:abc')"}
hbase> t.get 'r1', 'c1'
hbase> t.get 'r1', 'c1', 'c2'
hbase> t.get 'r1', ['c1', 'c2']
hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE'}
hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE', REGION_REPLICA_ID => 1}

Took 0.0613 seconds
hbase(main):008:0>
```

get 'lesson7:animals', '5'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

hbase> t.get 'r1', 'c1'
hbase> t.get 'r1', 'c1', 'c2'
hbase> t.get 'r1', ['c1', 'c2']
hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE'}
hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE', REGION_REPLICA_ID => 1}

Took 0.0613 seconds
hbase(main):008:0> get 'lesson7:animals', '5'
COLUMN                                CELL
name:                                  timestamp=1619386514845, value=Snake
1 row(s)
Took 0.0778 seconds
hbase(main):009:0>
```

get 'lesson7:animals', '3'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE'}
hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE', REGION_REPLICA_ID => 1}

Took 0.0613 seconds
hbase(main):008:0> get 'lesson7:animals', '5'
COLUMN                                CELL
name:                                  timestamp=1619386514845, value=Snake
1 row(s)
Took 0.0778 seconds
hbase(main):009:0> get 'lesson7:animals', '3'
COLUMN                                CELL
name:                                  timestamp=1619386466702, value=Deer
size:                                  timestamp=1619386490481, value=Big
1 row(s)
Took 0.0262 seconds
hbase(main):010:0>
```

get 'lesson7:animals', ['5', „3“]

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

Took 0.0613 seconds
hbase(main):008:0> get 'lesson7:animals', '5'
COLUMN                                CELL
name:                                  timestamp=1619386514845, value=Snake
1 row(s)
Took 0.0778 seconds
hbase(main):009:0> get 'lesson7:animals', '3'
COLUMN                                CELL
name:                                  timestamp=1619386466702, value=Deer
size:                                  timestamp=1619386490481, value=Big
1 row(s)
Took 0.0262 seconds
hbase(main):010:0> get 'lesson7:animals', ['5', „3“]
NameError: undefined local variable or method '3?' for main:Object
hbase(main):011:0>
```

/cassandra/bin/cassandra

put 'lesson7:animals', '3', 'name', 'Doe'

delete 'lesson7:animals', '5'

ver.2

ls //

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
igor@igor-MS-7808: ~

igor@igor-MS-7808:~$ ssh student3 10@37.139.32.56 -D localhost:8080
Last login: Mon Apr 26 09:48:13 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ ls
flm  test.java
-bash-4.2$ ls //
bin  boot  cassandra  cgroups_test  dev  etc  hadoop  home  kafka  lib  lib64  lost+found  media  mnt  opt  proc  root  run  sbin  spark2  srv  sys  tmp  usr  var
-bash-4.2$
```

ls /cassandra/

```
Терминал - igor@igor-MS-7808: ~
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igor@igor-MS-7808: ~
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Last login: Mon Apr 26 09:48:13 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ ls
flm  test.java
-bash-4.2$ ls //
bin  boot  cassandra  cgroups_test  dev  etc  hadoop  home  kafka  lib  lib64  lost+found  media  mnt  opt  proc  root  run  sbin  spark2  srv  sys  tmp  usr  var
-bash-4.2$ /cassandra/
-bash: /cassandra/: Это каталог
-bash-4.2$ /cassandra
-bash: /cassandra: Это каталог
-bash-4.2$ cassandra/
-bash: cassandra/: Нет такого файла или каталога
-bash-4.2$ ls /cassandra/
bin  CASSANDRA-14092.txt  CHANGES.txt  conf  data  doc  interface  javadoc  lib  LICENSE.txt  log4j  NEWS.txt  NOTICE.txt  python  tools
-bash-4.2$
```

/cassandra/bin/cqlsh

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
flm test.java
-bash-4.2$ ls //
bin boot cassandra cgroups_test dev etc hadoop home kafka lib lib64 lost+found media mnt opt proc root run sbin spark2 srv sys tmp usr var
-bash-4.2$ /cassandra/
-bash: /cassandra/: Это каталог
-bash-4.2$ /cassandra
-bash: /cassandra: Это каталог
-bash-4.2$ cassandra/
-bash: cassandra/: Нет такого файла или каталога
-bash-4.2$ ls /cassandra/
bin CASSANDRA-14092.txt CHANGES.txt conf data docs interface javadoc lib LICENSE.txt logs NEWS.txt NOTICE.txt python tools
-bash-4.2$ cassandra/bin/cqlsh
-bash: cassandra/bin/cqlsh: Нет такого файла или каталога
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh>
```

CREATE KEYSPACE student3_10 WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
bin boot cassandra cgroups_test dev etc hadoop home kafka lib lib64 lost+found media mnt opt proc root run sbin spark2 srv sys tmp usr var
-bash-4.2$ /cassandra/
-bash: /cassandra/: Это каталог
-bash-4.2$ /cassandra
-bash: /cassandra: Это каталог
-bash-4.2$ cassandra/
-bash: cassandra/: Нет такого файла или каталога
-bash-4.2$ ls /cassandra/
bin CASSANDRA-14092.txt CHANGES.txt conf data docs interface javadoc lib LICENSE.txt logs NEWS.txt NOTICE.txt python tools
-bash-4.2$ cassandra/bin/cqlsh
-bash: cassandra/bin/cqlsh: Нет такого файла или каталога
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10 WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh>
```

use student3_10;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56 -D localhost:8080
Last login: Mon Apr 26 15:55:49 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ channel 5: open failed: administratively prohibited: open failed
channel 5: open failed: administratively prohibited: open failed
channel 81: open failed: administratively prohibited: open failed
channel 81: open failed: administratively prohibited: open failed

-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10 WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> use student3_10;
cqlsh:student3_10>
```

CREATE TABLE animals (id int, name text, size text, primary key (id));

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56 -D localhost:8080
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channel 5: open failed: administratively prohibited: open failed
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-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10 WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> use student3_10;
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id));
cqlsh:student3_10>
```

select * from animals;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

channel 81: open failed: administratively prohibited: open failed
channel 81: open failed: administratively prohibited: open failed

-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10 WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> use student3_10;
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id));
cqlsh:student3_10> select * from animals;

 id | name | size
-----+-----
(0 rows)
cqlsh:student3_10>
```

insert into animals (id, name, size) values (3, 'Deer', 'Big');

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

channel 81: open failed: administratively prohibited: open failed

-bash-4.2$ /cassandra/bin/cqlsh
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AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> use student3_10;
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id));
cqlsh:student3_10> select * from animals;

 id | name | size
-----+-----
(0 rows)
cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10>
```

insert into animals (id, name) values (5, 'Snake');

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10 WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> use student3_10;
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id));
cqlsh:student3_10> select * from animals;

 id | name | size
-----+-----
(0 rows)
cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10>
```

insert into animals (id, name, size) values (1, 'Duck', 'Small');

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10 WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> use student3_10;
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id));
cqlsh:student3_10> select * from animals;

 id | name | size
-----+-----
(0 rows)
cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10> insert into animals (id, name, size) values (1, 'Duck', 'Small');
cqlsh:student3_10>
```

select * from animals;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

 id | name | size
-----+-----
(0 rows)
cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10> insert into animals (id, name, size) values (1, 'Duck', 'Small');
cqlsh:student3_10> select * from animals;

 id | name | size
-----+-----
 5 | Snake | null
 1 | Duck  | Small
 3 | Deer  | Big
(3 rows)
cqlsh:student3_10>
```

select * from animals where size = 'Big';

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

(0 rows)
cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10> insert into animals (id, name, size) values (1, 'Duck', 'Small');
cqlsh:student3_10> select * from animals;

 id | name | size
-----+-----+-----
  5 | Snake | null
  1 | Duck  | Small
  3 | Deer  | Big

(3 rows)
cqlsh:student3_10> select * from animals where size = 'Big';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10>
```

select * from animals where size = 'Big' allow filtering;

select * from animals where id = 1;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

cqlsh:student3_10> select * from animals where size = 'Big';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10> select * from animals where size = 'Big' allow filtering;

 id | name | size
-----+-----+-----
  3 | Deer  | Big

(1 rows)
cqlsh:student3_10> select * from animals where id = 1;

 id | name | size
-----+-----+-----
  1 | Duck  | Small

(1 rows)
cqlsh:student3_10>
```

drop table animals;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

 id | name | size
-----+-----+-----
  3 | Deer  | Big

(1 rows)
cqlsh:student3_10> select * from animals where id = 1;

 id | name | size
-----+-----+-----
  1 | Duck  | Small

(1 rows)
cqlsh:student3_10> drop animals;
SyntaxException: line 1:5 no viable alternative at input 'animals' ([drop] animals...)
cqlsh:student3_10> drop tables animals;
SyntaxException: line 1:5 no viable alternative at input 'tables' ([drop] tables...)
cqlsh:student3_10> drop table animals;
SyntaxException: line 1:5 no viable alternative at input 'tables' ([drop] tables...)
cqlsh:student3_10> drop table animals;
SyntaxException: line 1:5 no viable alternative at input 'tables' ([drop] tables...)
cqlsh:student3_10>
```

CREATE TABLE animals (id int, name text, size text, primary key (id, name));

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

 id | name | size
-----+-----+-----
  3 | Deer  | Big

(1 rows)
cqlsh:student3_10> select * from animals where id = 1;

 id | name | size
-----+-----+-----
  1 | Duck  | Small

(1 rows)
cqlsh:student3_10> drop animals;
SyntaxException: line 1:5 no viable alternative at input 'animals' ([drop] animals...)
cqlsh:student3_10> drop tables animals;
SyntaxException: line 1:5 no viable alternative at input 'tables' ([drop] tables...)
cqlsh:student3_10> drop table animals;
SyntaxException: line 1:5 no viable alternative at input 'tables' ([drop] tables...)
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id, name));
cqlsh:student3_10>
```

insert into animals (id, name, size) values (3, 'Deer', 'Big');

insert into animals (id, name, size) values (1, 'Duck', 'Small');

insert into animals (id, name) values (5, 'Snake');

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

id | name | size
---+---+---
1 | Duck | Small

(1 rows)
cqlsh:student3_10> drop animals;
SyntaxException: line 1:5 no viable alternative at input 'animals' ([drop] animals...)
cqlsh:student3_10> drop tables animals;
SyntaxException: line 1:5 no viable alternative at input 'tables' ([drop] tables...)
cqlsh:student3_10> drop table animals;
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id, name));
cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10>
cqlsh:student3_10> insert into animals (id, name, size) values (1, 'Duck', 'Small');
cqlsh:student3_10>
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10>
```

select * from animals;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

SyntaxException: line 1:5 no viable alternative at input 'tables' ([drop] tables...)
cqlsh:student3_10> drop table animals;
cqlsh:student3_10> CREATE TABLE animals (id int, name text, size text, primary key (id, name));
cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10>
cqlsh:student3_10> insert into animals (id, name, size) values (1, 'Duck', 'Small');
cqlsh:student3_10>
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10> select * from animals;

id | name | size
---+---+---
5 | Snake | null
1 | Duck | Small
3 | Deer | Big

(3 rows)
cqlsh:student3_10>
```

select * from animals where size = 'Big';

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

cqlsh:student3_10> insert into animals (id, name, size) values (3, 'Deer', 'Big');
cqlsh:student3_10>
cqlsh:student3_10> insert into animals (id, name, size) values (1, 'Duck', 'Small');
cqlsh:student3_10>
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10> select * from animals;

id | name | size
---+---+---
5 | Snake | null
1 | Duck | Small
3 | Deer | Big

(3 rows)
cqlsh:student3_10> select * from animals where size = 'Big';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10>
```

select * from animals where name = 'Duck';

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

cqlsh:student3_10>
cqlsh:student3_10> insert into animals (id, name) values (5, 'Snake');
cqlsh:student3_10> select * from animals;

id | name | size
---+---+---
5 | Snake | null
1 | Duck | Small
3 | Deer | Big

(3 rows)
cqlsh:student3_10> select * from animals where size = 'Big';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10> select * from animals where name = 'Duck';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10>
```

select * from animals where id = 1 and name = 'Duck';

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

1 | Duck | Small
3 | Deer | Big

(3 rows)
cqlsh:student3_10> select * from animals where size = 'Big';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10> select * from animals where name = 'Duck';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10> select * from animals where id = 1 and name = 'Duck';

id | name | size
---+---+---
1 | Duck | Small

(1 rows)
cqlsh:student3_10>
```

select * from animals where id = 1;

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
cqlsh:student3_10> select * from animals where name = 'Duck';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you
want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:student3_10> select * from animals where id = 1 and name = 'Duck';

 id | name | size
----+----+----
  1 | Duck | Small

(1 rows)
cqlsh:student3_10> select * from animals where id = 1;

 id | name | size
----+----+----
  1 | Duck | Small

(1 rows)
cqlsh:student3_10> █
```

drop table animals;

CREATE TABLE animals (id int, color text, name text, size text, primary key (id,color,name));

insert into animals (id, color, name, size) values (3, 'brown', 'Deer', 'Big');

insert into animals (id, color, name, size) values (1, 'black', 'Dog', 'Medium');

insert into animals (id, color, name, size) values (2, 'white', 'Cat', 'Medium');

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
  1 | Duck | Small

(1 rows)
cqlsh:student3_10> drop table animals;
cqlsh:student3_10> CREATE TABLE animals (id int, color text, name text, size text, primary key (id,color,name));
cqlsh:student3_10> insert into animals (id, color, name, size) values (3, 'brown', 'Deer', 'Big');
cqlsh:student3_10> insert into animals (id, color, name, size) values (1, 'black', 'Dog', 'Medium');
cqlsh:student3_10> insert into animals (id, color, name, size) values (2, 'white', 'Cat', 'Medium');
cqlsh:student3_10> select * from animals;

 id | color | name | size
----+----+----+----
  1 | black | Dog  | Medium
  2 | white | Cat  | Medium
  3 | brown | Deer | Big

(3 rows)
cqlsh:student3_10> █
```

select * from animals where id = 2 and color = 'white' and name = 'Cat';

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка
  2 | white | Cat | Medium
  3 | brown | Deer | Big

(3 rows)
cqlsh:student3_10> select * from animals where id = 1 and color = 'white' and name = 'Cat';

 id | color | name | size
----+----+----+----

(0 rows)
cqlsh:student3_10> select * from animals where id = 2 and color = 'white' and name = 'Cat';

 id | color | name | size
----+----+----+----
  2 | white | Cat  | Medium

(1 rows)
cqlsh:student3_10> █
```

+++++

docker run --name some-cassandra --network some-network -d cassandra

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~                               igor@igor-MS-7808: ~

igor@igor-MS-7808:~$ docker run --name some-cassandra --network some-network -d cassandra:tag
docker: Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/create?name=some-cassandra: dial unix /var/run/docker.sock: connect: permission denied.
See 'docker run --help'.
igor@igor-MS-7808:~$ docker run --name some-cassandra --network some-network -d cassandra:tag
docker: Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/create?name=some-cassandra: dial unix /var/run/docker.sock: connect: permission denied.
See 'docker run --help'.
igor@igor-MS-7808:~$ docker run --name some-cassandra --network some-network -d cassandra
docker: Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/create?name=some-cassandra: dial unix /var/run/docker.sock: connect: permission denied.
See 'docker run --help'.
igor@igor-MS-7808:~$ █
```

hbase shell


```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56 -D localhost:8080
bind: Address already in use
channel_setup_fwd_listener_tcpip: cannot listen to port: 8080
Could not request local forwarding.
Last login: Mon Apr 26 14:35:06 2021 from 109.252.26.235
-bash-4.2$ hbase shell
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org.slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org.slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
For Reference, please visit: http://hbase.apache.org/2.0/book.html#shell
Version 2.0.2.3.1.4.0-315, r, Fri Aug 23 05:15:48 UTC 2019
Took 0.0035 seconds
hbase(main):001:0>
```

create_namespace 'lesson7'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
igor@igor-MS-7808:~$ hbase shell
at org.apache.hadoop.hbase.master.procedure.CreateNamespaceProcedure.executeFromState(CreateNamespaceProcedure.java:72)
at org.apache.hadoop.hbase.master.procedure.CreateNamespaceProcedure.executeFromState(CreateNamespaceProcedure.java:39)
at org.apache.hadoop.hbase.procedure2.StateMachineProcedure.execute(StateMachineProcedure.java:184)
at org.apache.hadoop.hbase.procedure2.Procedure.doExecute(Procedure.java:958)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.execProcedure(ProcedureExecutor.java:1836)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.executeProcedure(ProcedureExecutor.java:1596)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.access$1200(ProcedureExecutor.java:80)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor$WorkerThread.run(ProcedureExecutor.java:2141)

Create namespace; pass namespace name,
and optionally a dictionary of namespace configuration.
Examples:

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 3.1299 seconds
hbase(main):002:0>
```

create_namespace 'lesson7_2'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
igor@igor-MS-7808:~$ hbase shell
at org.apache.hadoop.hbase.procedure2.StateMachineProcedure.execute(StateMachineProcedure.java:184)
at org.apache.hadoop.hbase.procedure2.Procedure.doExecute(Procedure.java:958)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.execProcedure(ProcedureExecutor.java:1836)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.executeProcedure(ProcedureExecutor.java:1596)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.access$1200(ProcedureExecutor.java:80)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor$WorkerThread.run(ProcedureExecutor.java:2141)

Create namespace; pass namespace name,
and optionally a dictionary of namespace configuration.
Examples:

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 3.1299 seconds
hbase(main):002:0> create_namespace 'lesson7_2'
Took 0.2716 seconds
hbase(main):003:0>
```

create 'lesson7_2:animals', 'name', 'size'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
igor@igor-MS-7808:~$ hbase shell
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor.access$1200(ProcedureExecutor.java:80)
at org.apache.hadoop.hbase.procedure2.ProcedureExecutor$WorkerThread.run(ProcedureExecutor.java:2141)

Create namespace; pass namespace name,
and optionally a dictionary of namespace configuration.
Examples:

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 3.1299 seconds
hbase(main):002:0> create_namespace 'lesson7_2'
Took 0.2716 seconds
hbase(main):003:0> create 'lesson7_2:animals', 'name', 'size'
Created table lesson7_2:animals
Took 1.3534 seconds
=> Hbase::Table - lesson7_2:animals
hbase(main):004:0>
```

put 'lesson7_2:animals', '3', 'name', 'Deer'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~

Create namespace; pass namespace name,
and optionally a dictionary of namespace configuration.
Examples:

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 3.1299 seconds
hbase(main):002:0> create_namespace 'lesson7_2'
Took 0.2716 seconds
hbase(main):003:0> create 'lesson7_2:animals', 'name', 'size'
Created table lesson7_2:animals
Took 1.3534 seconds
=> Hbase::Table - lesson7_2:animals
hbase(main):004:0> put 'lesson7_2:animals', '3', 'name', 'Deer'
Took 0.4652 seconds
hbase(main):005:0>
```

put 'lesson7_2:animals', '3', 'size', 'Big'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~

and optionally a dictionary of namespace configuration.
Examples:

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 3.1299 seconds
hbase(main):002:0> create_namespace 'lesson7_2'
Took 0.2716 seconds
hbase(main):003:0> create 'lesson7_2:animals', 'name', 'size'
Created table lesson7_2:animals
Took 1.3534 seconds
=> Hbase::Table - lesson7_2:animals
hbase(main):004:0> put 'lesson7_2:animals', '3', 'name', 'Deer'
Took 0.4652 seconds
hbase(main):005:0> put 'lesson7_2:animals', '3', 'size', 'Big'
Took 0.0192 seconds
hbase(main):006:0>
```

put 'lesson7_2:animals', '5', 'name', 'Snake'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~

hbase> create_namespace 'ns1'
hbase> create_namespace 'ns1', {'PROPERTY_NAME'=>'PROPERTY_VALUE'}

Took 3.1299 seconds
hbase(main):002:0> create_namespace 'lesson7_2'
Took 0.2716 seconds
hbase(main):003:0> create 'lesson7_2:animals', 'name', 'size'
Created table lesson7_2:animals
Took 1.3534 seconds
=> Hbase::Table - lesson7_2:animals
hbase(main):004:0> put 'lesson7_2:animals', '3', 'name', 'Deer'
Took 0.4652 seconds
hbase(main):005:0> put 'lesson7_2:animals', '3', 'size', 'Big'
Took 0.0192 seconds
hbase(main):006:0> put 'lesson7_2:animals', '5', 'name', 'Snake'
Took 0.0204 seconds
hbase(main):007:0>
```

get 'lesson7_2:animals', '5', 'name', 'Snake'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~

would be:

hbase> t.get 'r1'
hbase> t.get 'r1', {TIMERANGE => [ts1, ts2]}
hbase> t.get 'r1', {COLUMN => 'c1'}
hbase> t.get 'r1', {COLUMN => ['c1', 'c2', 'c3']}
hbase> t.get 'r1', {COLUMN => 'c1', TIMESTAMP => ts1}
hbase> t.get 'r1', {COLUMN => 'c1', TIMERANGE => [ts1, ts2], VERSIONS => 4}
hbase> t.get 'r1', {COLUMN => 'c1', TIMESTAMP => ts1, VERSIONS => 4}
hbase> t.get 'r1', {FILTER => "ValueFilter(=, 'binary:abc')"}
hbase> t.get 'r1', 'c1'
hbase> t.get 'r1', 'c1', 'c2'
hbase> t.get 'r1', ['c1', 'c2']
hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE'}
hbase> t.get 'r1', {CONSISTENCY => 'TIMELINE', REGION_REPLICA_ID => 1}

Took 0.0758 seconds
hbase(main):008:0>
```

get 'lesson7_2:animals', '5'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
-bash-4.2$ hbase shell
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/phoenix/phoenix-5.0.0.3.1.4.0-315-server.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
For Reference, please visit: http://hbase.apache.org/2.0/book.html#shell
Version 2.0.2.3.1.4.0-315, r, Fri Aug 23 05:15:48 UTC 2019
Took 0.0034 seconds
hbase(main):001:0> get 'lesson7_2:animals', '5'
COLUMN                                CELL
name:                                timestamp=1619451061076, value=Snake
1 row(s)
Took 0.9319 seconds
hbase(main):002:0>
```

get 'lesson7_2:animals', '3'

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
For Reference, please visit: http://hbase.apache.org/2.0/book.html#shell
Version 2.0.2.3.1.4.0-315, r, Fri Aug 23 05:15:48 UTC 2019
Took 0.0034 seconds
hbase(main):001:0> get 'lesson7_2:animals', '5'
COLUMN                                CELL
name:                                timestamp=1619451061076, value=Snake
1 row(s)
Took 0.9319 seconds
hbase(main):002:0> get 'lesson7_2:animals', '3'
COLUMN                                CELL
name:                                timestamp=1619450981056, value=Deer
size:                                timestamp=1619451022083, value=Big
1 row(s)
Took 0.0263 seconds
hbase(main):003:0>
```

get 'lesson7_2:animals', ['5', '3']

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
Version 2.0.2.3.1.4.0-315, r, Fri Aug 23 05:15:48 UTC 2019
Took 0.0034 seconds
hbase(main):001:0> get 'lesson7_2:animals', '5'
COLUMN                                CELL
name:                                timestamp=1619451061076, value=Snake
1 row(s)
Took 0.9319 seconds
hbase(main):002:0> get 'lesson7_2:animals', '3'
COLUMN                                CELL
name:                                timestamp=1619450981056, value=Deer
size:                                timestamp=1619451022083, value=Big
1 row(s)
Took 0.0263 seconds
hbase(main):003:0> get 'lesson7_2:animals', ['5', '3']
COLUMN                                CELL
0 row(s)
Took 0.0385 seconds
hbase(main):004:0>
```

/cassandra/bin/cqlsh

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
1 row(s)
Took 0.9319 seconds
hbase(main):002:0> get 'lesson7_2:animals', '3'
COLUMN                                CELL
name:                                timestamp=1619450981056, value=Deer
size:                                timestamp=1619451022083, value=Big
1 row(s)
Took 0.0263 seconds
hbase(main):003:0> get 'lesson7_2:animals', ['5', '3']
COLUMN                                CELL
0 row(s)
Took 0.0385 seconds
hbase(main):004:0> exit
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh>
```

```
CREATE KEYSPACE student3_10
WITH REPLICATION = {
  'class' : 'SimpleStrategy', 'replication_factor' : 1 };

```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
name:                                timestamp=1619450981056, value=Deer
size:                                timestamp=1619451022083, value=Big
1 row(s)
Took 0.0263 seconds
hbase(main):003:0> get 'lesson7_2:animals', ['5', '3']
COLUMN                                CELL
0 row(s)
Took 0.0385 seconds
hbase(main):004:0> exit
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10
... WITH REPLICATION = {
...   'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh>
```

CREATE TABLE animals3 (id int, name text, size text, primary key (id));

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
igor@igor-MS-7808: ~
igor@igor-MS-7808: ~

igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56 -D localhost:8080
bind: Address already in use
channel_setup_fwd_listener_tcpip: cannot listen to port: 8080
Could not request local forwarding.
Last login: Mon Apr 26 15:23:29 2021 from 109-252-26-235.nat.spd-mgts.ru
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10
... WITH REPLICATION = {
...   'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> CREATE TABLE animals3 (id int, name text, size text, primary key (id));
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"
cqlsh>
```

```
Терминал - igor@igor-MS-7808: ~
Файл  Правка  Вид  Терминал  Вкладки  Справка

igor@igor-MS-7808: ~
igor@igor-MS-7808: ~
igor@igor-MS-7808: ~

hbase(main):004:0> exit
-bash-4.2$ /cassandra/bin/cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE student3_10
... WITH REPLICATION = {
...   'class' : 'SimpleStrategy', 'replication_factor' : 1 };
AlreadyExists: Keyspace 'student3_10' already exists
cqlsh> CREATE TABLE animals3
... (id int,
...   name text,
...   size text,
...   primary key (id));
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"
cqlsh> CREATE TABLE animals3 (id int, name text, size text, primary key (id));
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"
cqlsh>
```

InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"