HBase shell commands

Agenda

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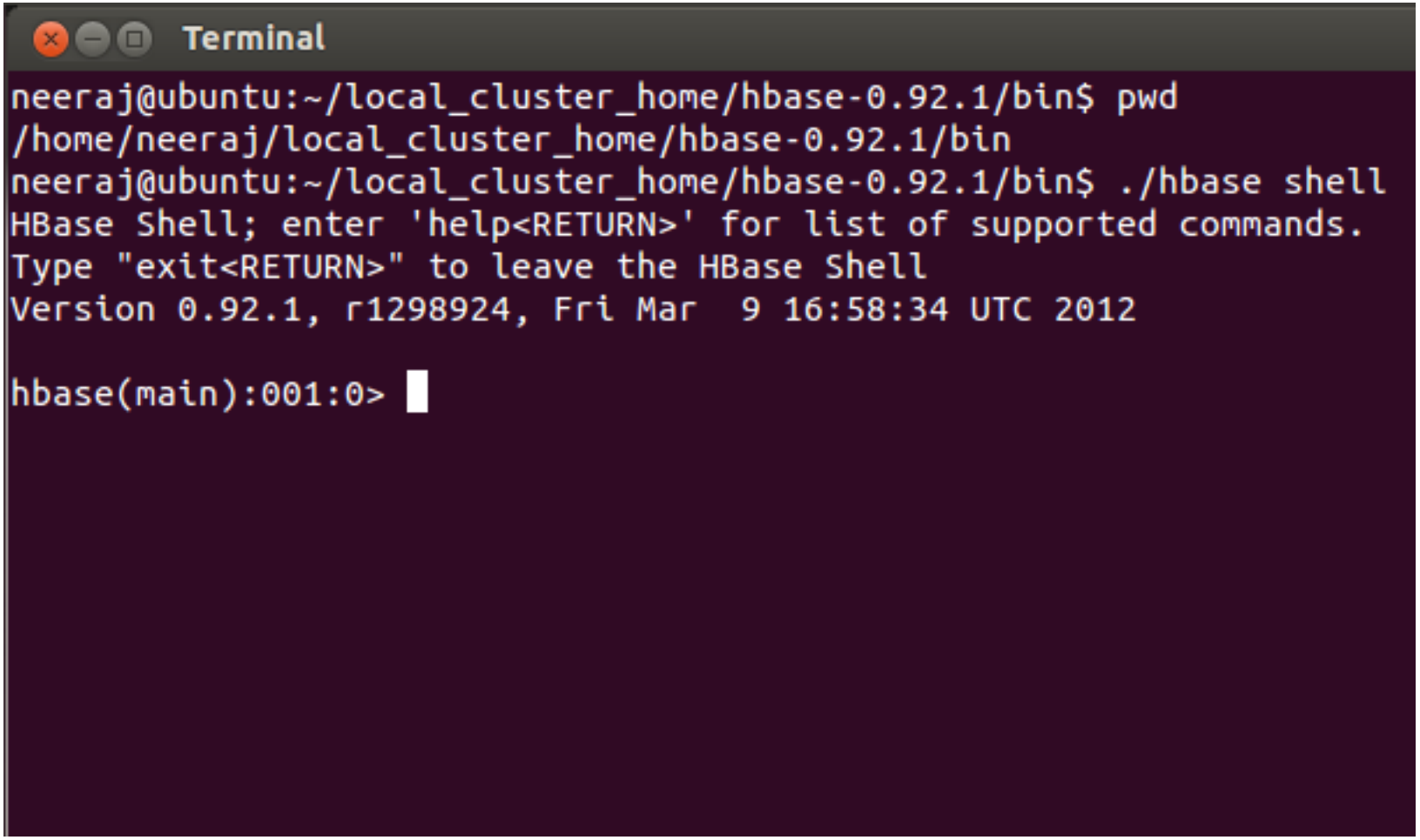
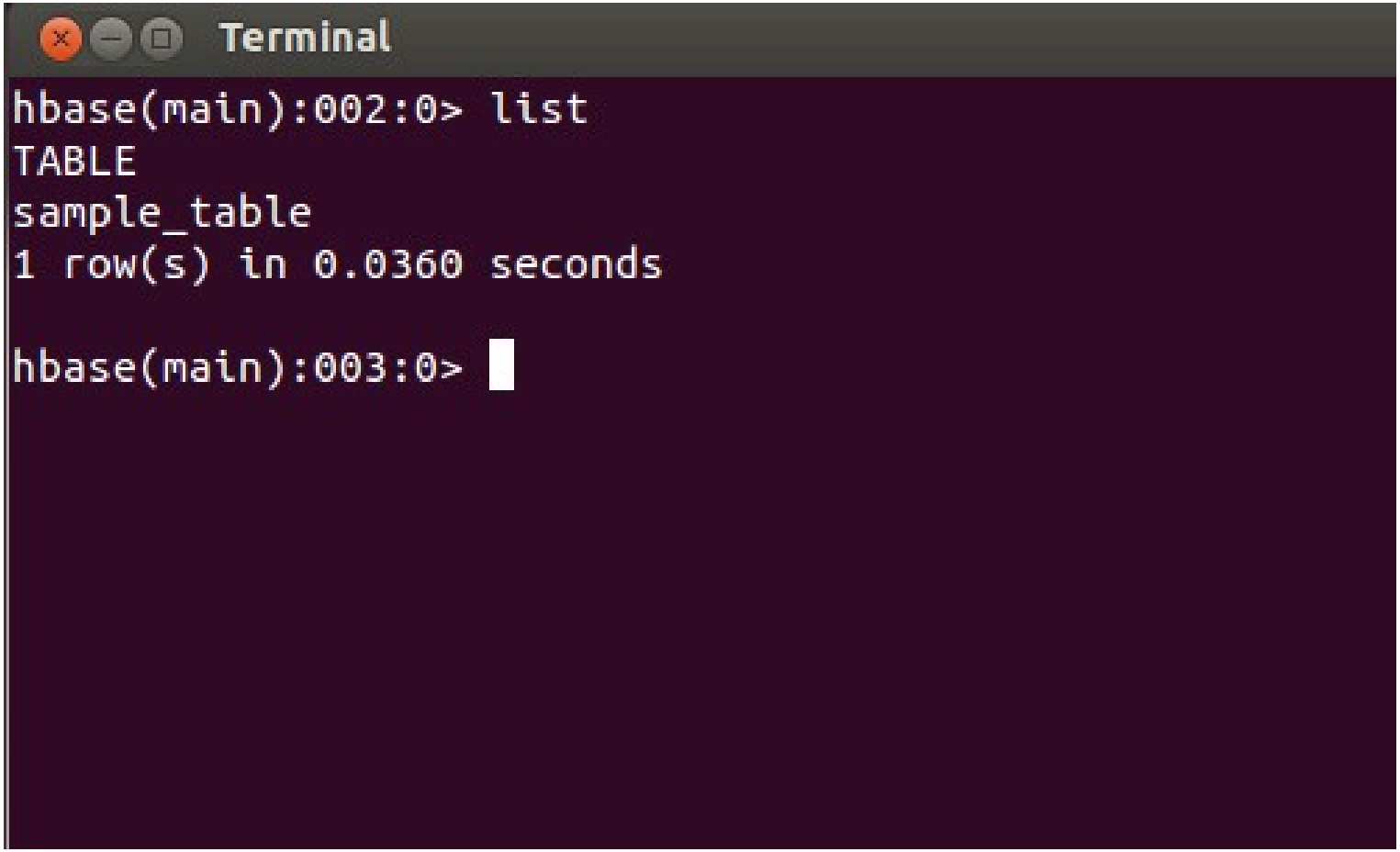
Hbase shell

./hbase shell



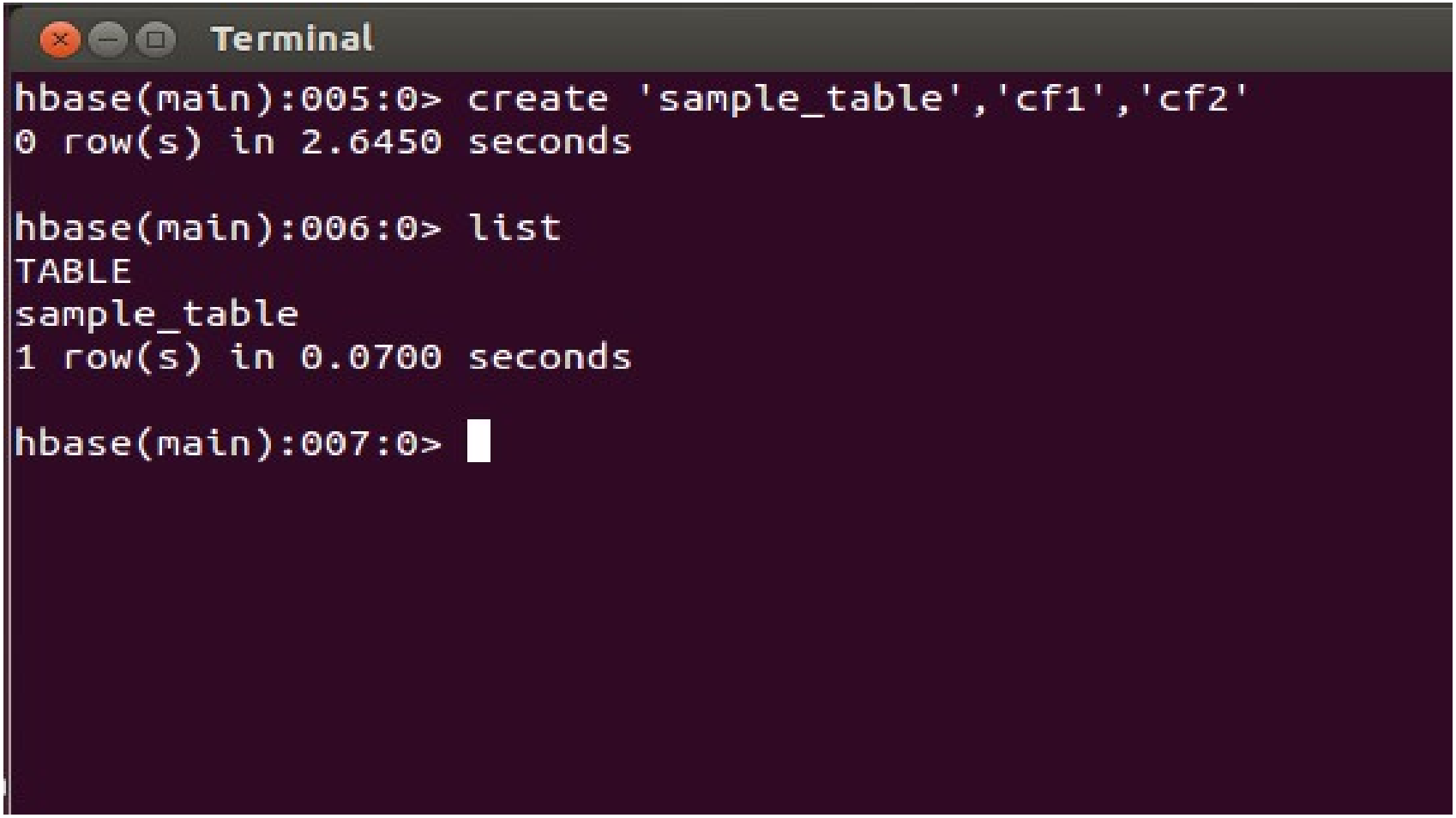
List all tables

list



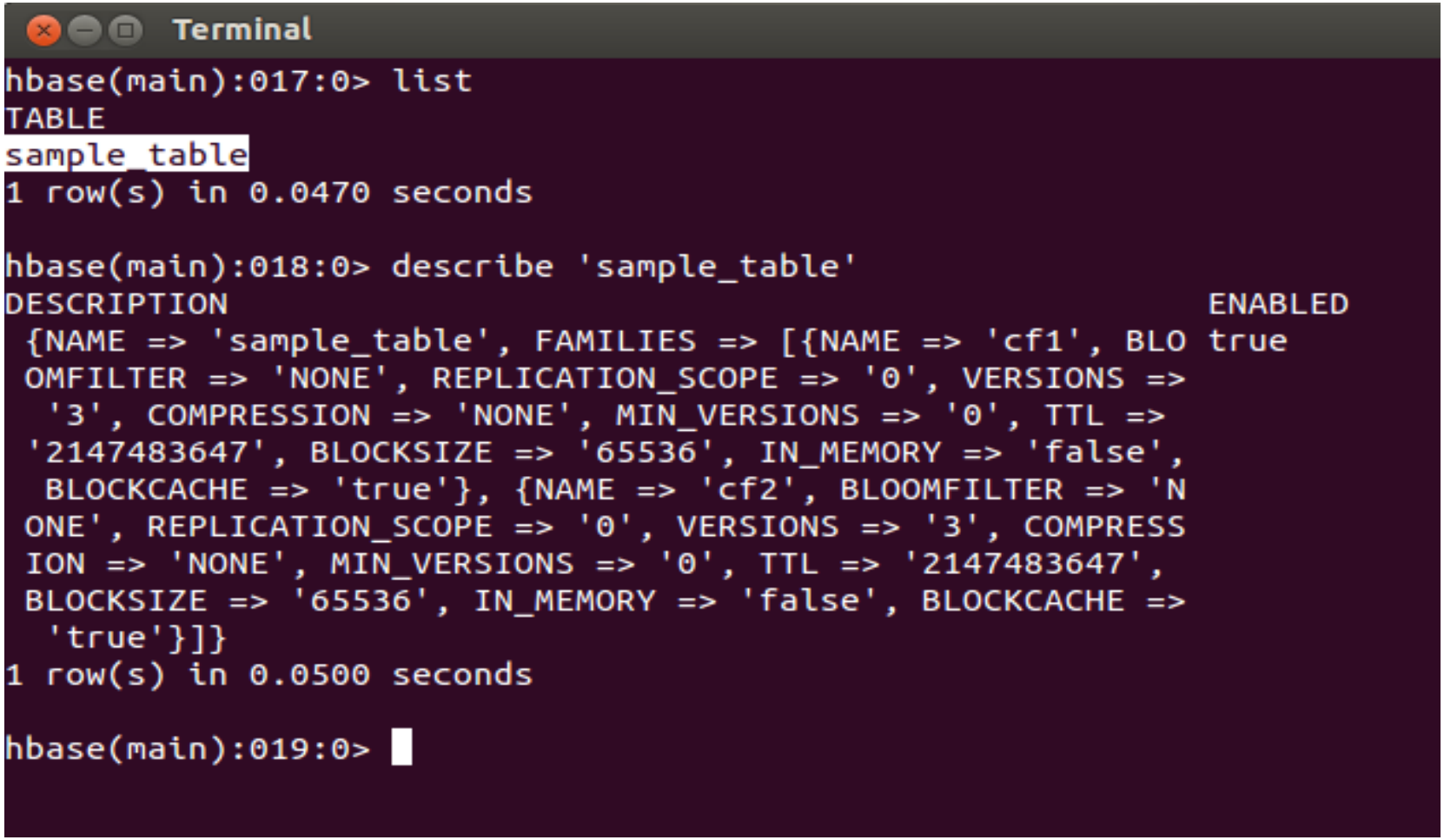
Create table

create <<table name>>, <<column family 1>>, <<column family 2>> ..<<column family n>>



Describe a table

describe <<table name>>



RDBMS table vs HBase table

Key	Value		
	cf1		cf2
	qf1	qf2	qf1
row1	value1	value2	value3
row2	value4		

```
ROW                 COLUMN+CELL
 row1               column=cf1:qf1, timestamp=1350804873477, value=value1
 row1               column=cf1:qf2, timestamp=1350804992484, value=value2
 row1               column=cf2:qf1, timestamp=1350805003788, value=value3
 row2               column=cf1:qf1, timestamp=1350812449169, value=value4
```

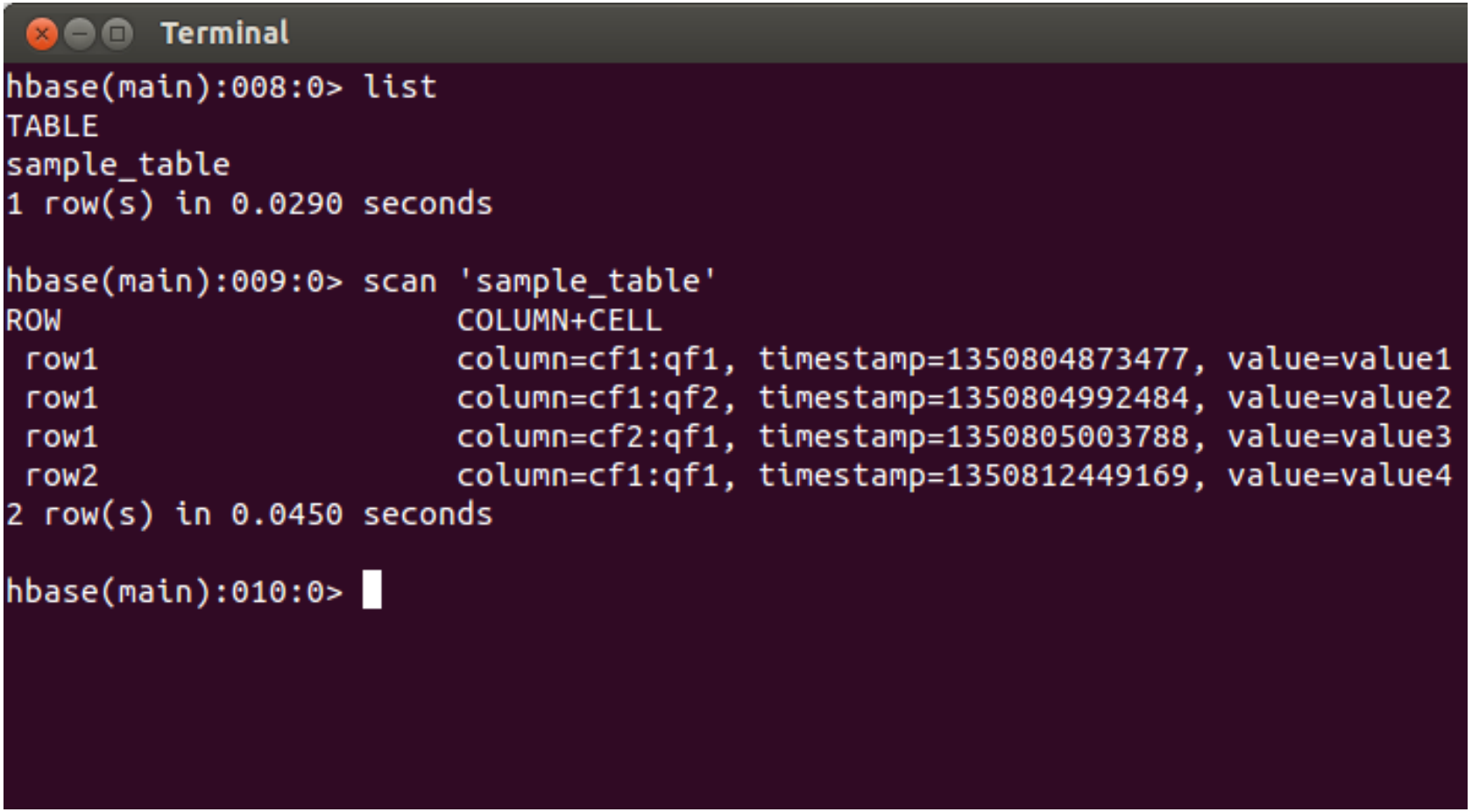
Insert data into table

put <<table name>>, <<row key>>, <<column family : qualifier>>, <<value>>

```
hbase(main):007:0> put 'sample_table','row1','cf1:qf1','value1'
0 row(s) in 0.4990 seconds

hbase(main):008:0> put 'sample_table','row1','cf1:qf2','value2'
0 row(s) in 0.0090 seconds

hbase(main):009:0> put 'sample_table','row1','cf2:qf1','value3'
0 row(s) in 0.0090 seconds

hbase(main):010:0>
```

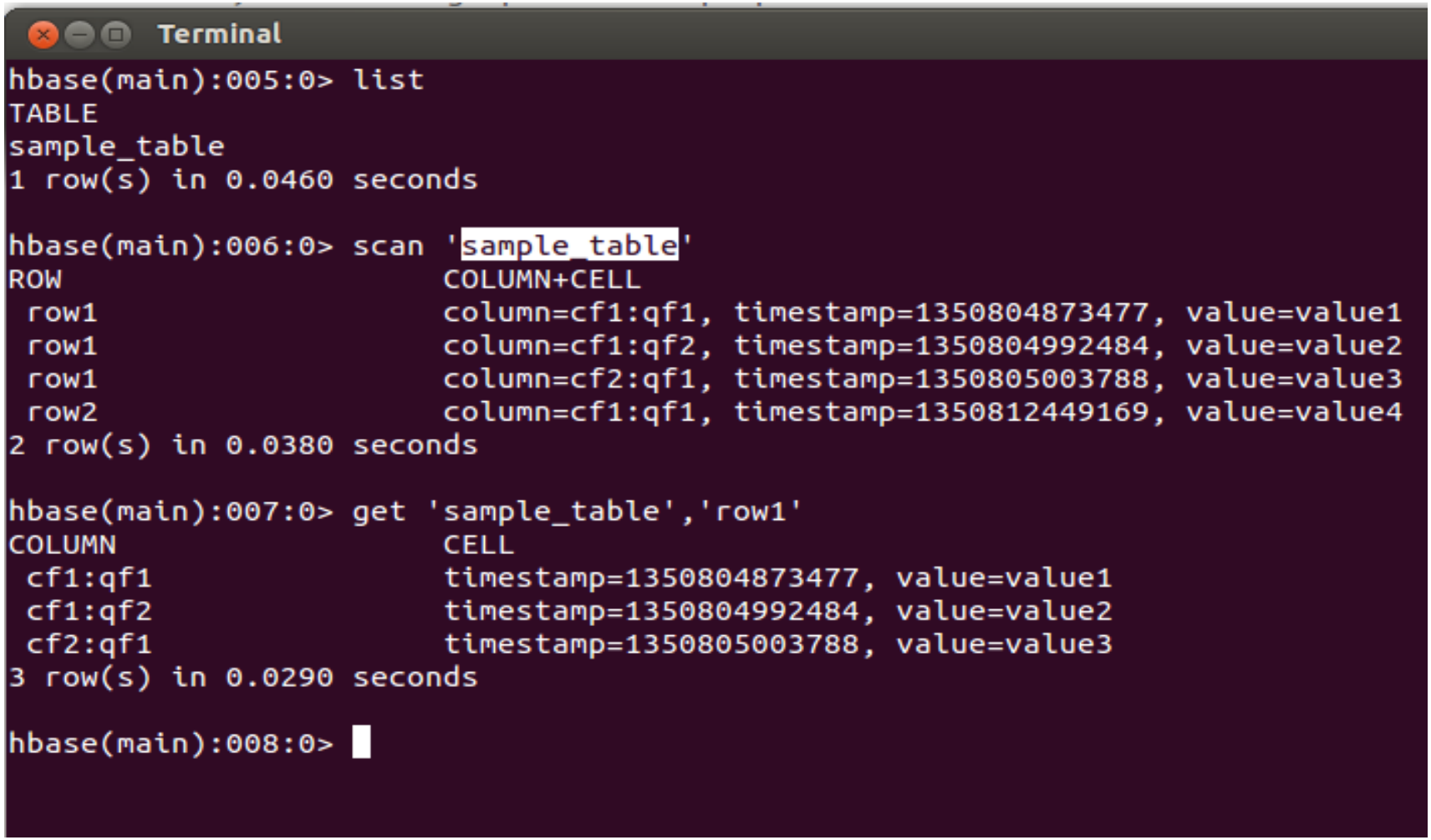
Scan a table

scan <<table name>>



Get data from a table

get <<table name>>, <<row key>>

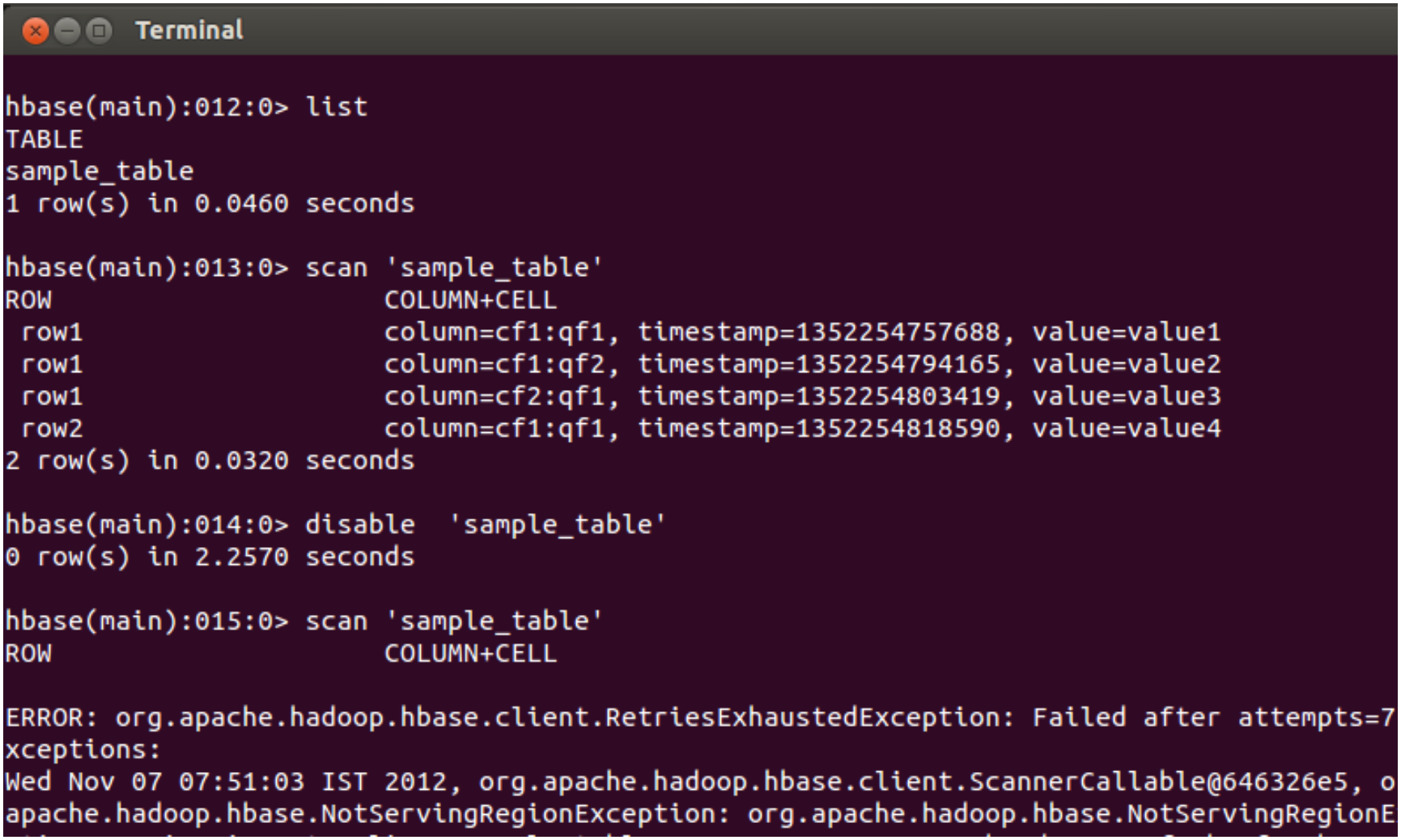


Advanced get

```
hbase(main):013:0> list
TABLE
sample_table
1 row(s) in 0.0240 seconds

hbase(main):014:0> scan 'sample_table'
ROW                                           COLUMN+CELL
 row1                                         column=cf1:qf1, timestamp=1350905342577, value=value1
 row1                                         column=cf1:qf2, timestamp=1350905347202, value=value2
 row1                                         column=cf2:qf1, timestamp=1350905354409, value=value3
 row2                                         column=cf1:qf1, timestamp=1350905364540, value=value4
2 row(s) in 0.0260 seconds

hbase(main):015:0> get 'sample_table','row1'
COLUMN                                        CELL
 cf1:qf1                                      timestamp=1350905342577, value=value1
 cf1:qf2                                      timestamp=1350905347202, value=value2
 cf2:qf1                                      timestamp=1350905354409, value=value3
3 row(s) in 0.0310 seconds

hbase(main):016:0> get 'sample_table','row1','cf1'
COLUMN                                        CELL
 cf1:qf1                                      timestamp=1350905342577, value=value1
 cf1:qf2                                      timestamp=1350905347202, value=value2
2 row(s) in 0.0140 seconds

hbase(main):017:0> get 'sample_table','row1','cf1:qf2'
COLUMN                                        CELL
 cf1:qf2                                      timestamp=1350905347202, value=value2
1 row(s) in 0.0070 seconds
```

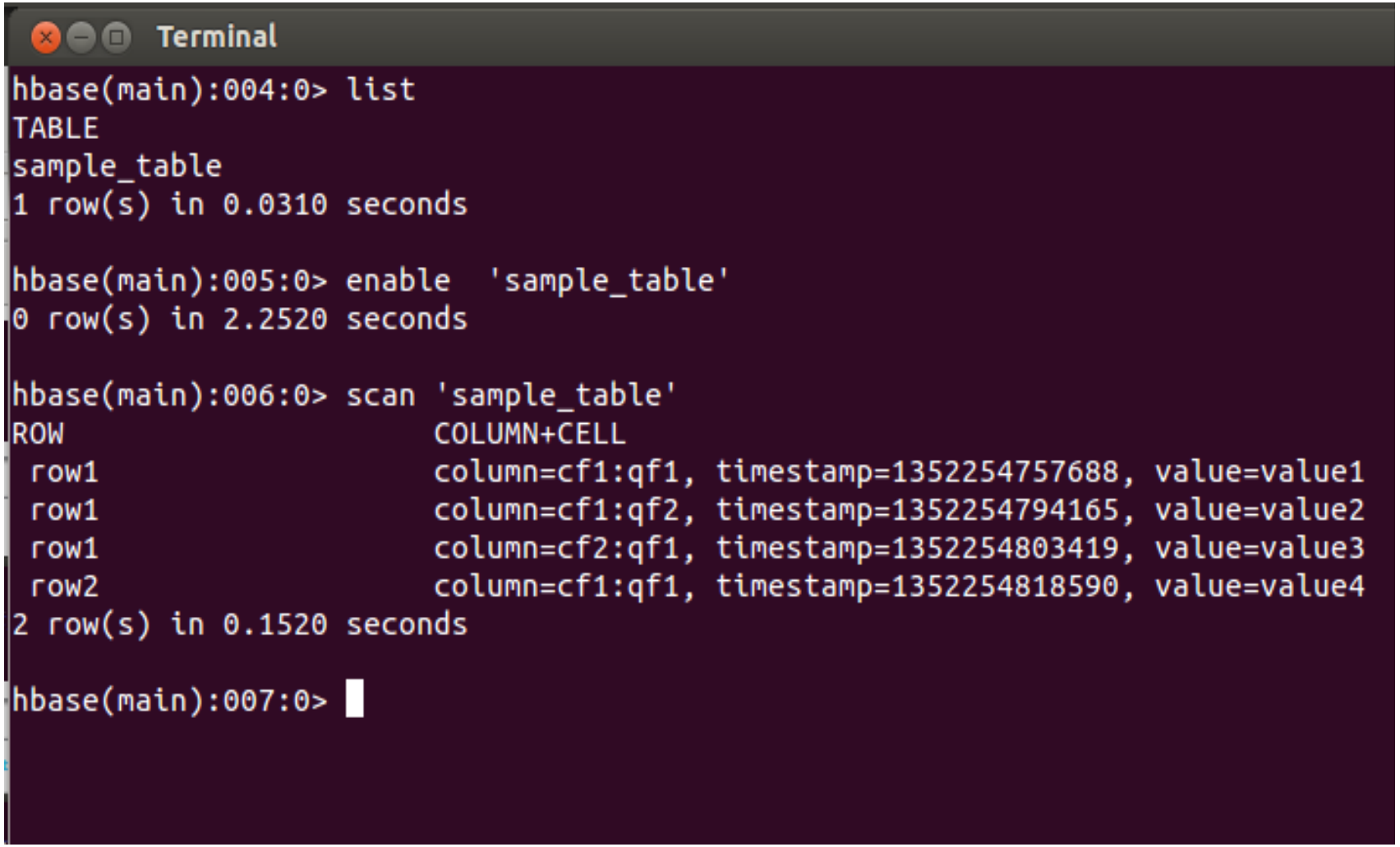
Disable a table

disable <<table name>>



Enable a table

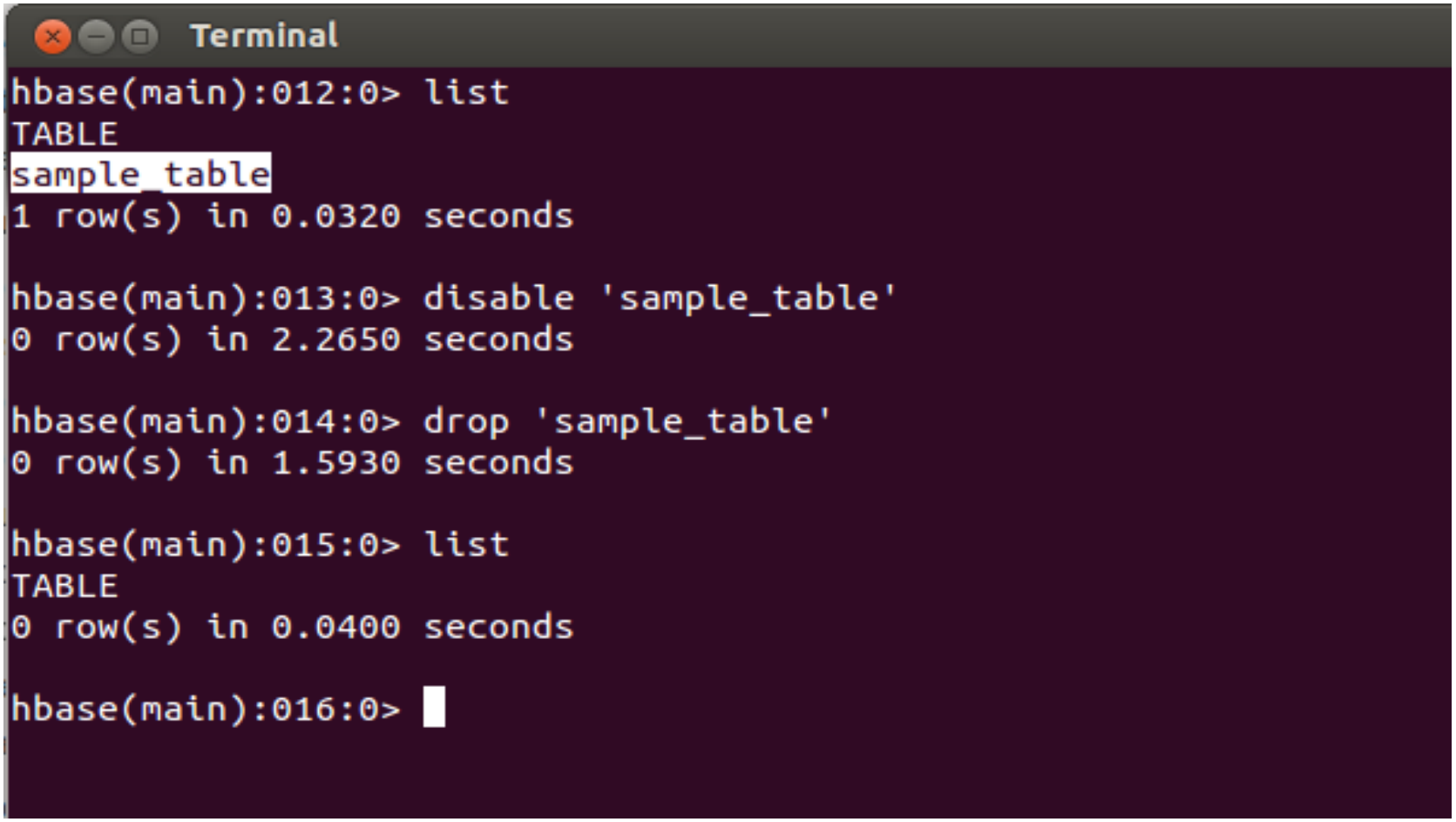
enable <<table name>>



Delete table

disable <<table name>>

drop <<table name>>



Truncate a table

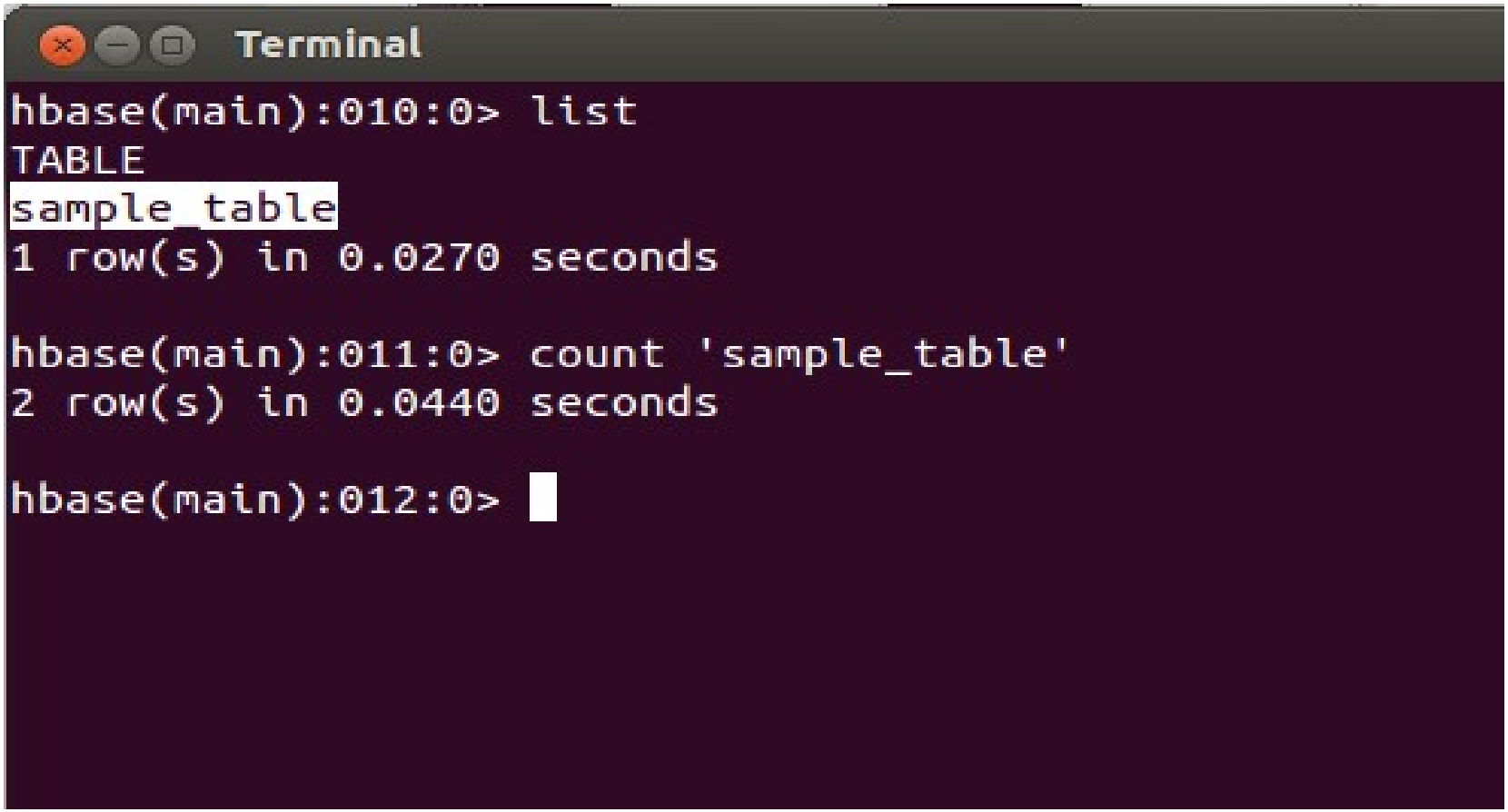
truncate <<table name>>

Terminal

```
hbase(main):007:0> list
TABLE
sample_table
1 row(s) in 0.0400 seconds

hbase(main):008:0> scan 'sample_table'
ROW                    COLUMN+CELL
 row1                  column=cf1:qf1, timestamp=1352254757688, value=value1
 row1                  column=cf1:qf2, timestamp=1352254794165, value=value2
 row1                  column=cf2:qf1, timestamp=1352254803419, value=value3
 row2                  column=cf1:qf1, timestamp=1352254818590, value=value4
2 row(s) in 0.0480 seconds

hbase(main):009:0> truncate 'sample_table'
Truncating 'sample_table' table (it may take a while):
 - Disabling table...
 - Dropping table...
 - Creating table...
0 row(s) in 7.7970 seconds

hbase(main):010:0> scan 'sample_table'
ROW                    COLUMN+CELL
0 row(s) in 0.0240 seconds
```

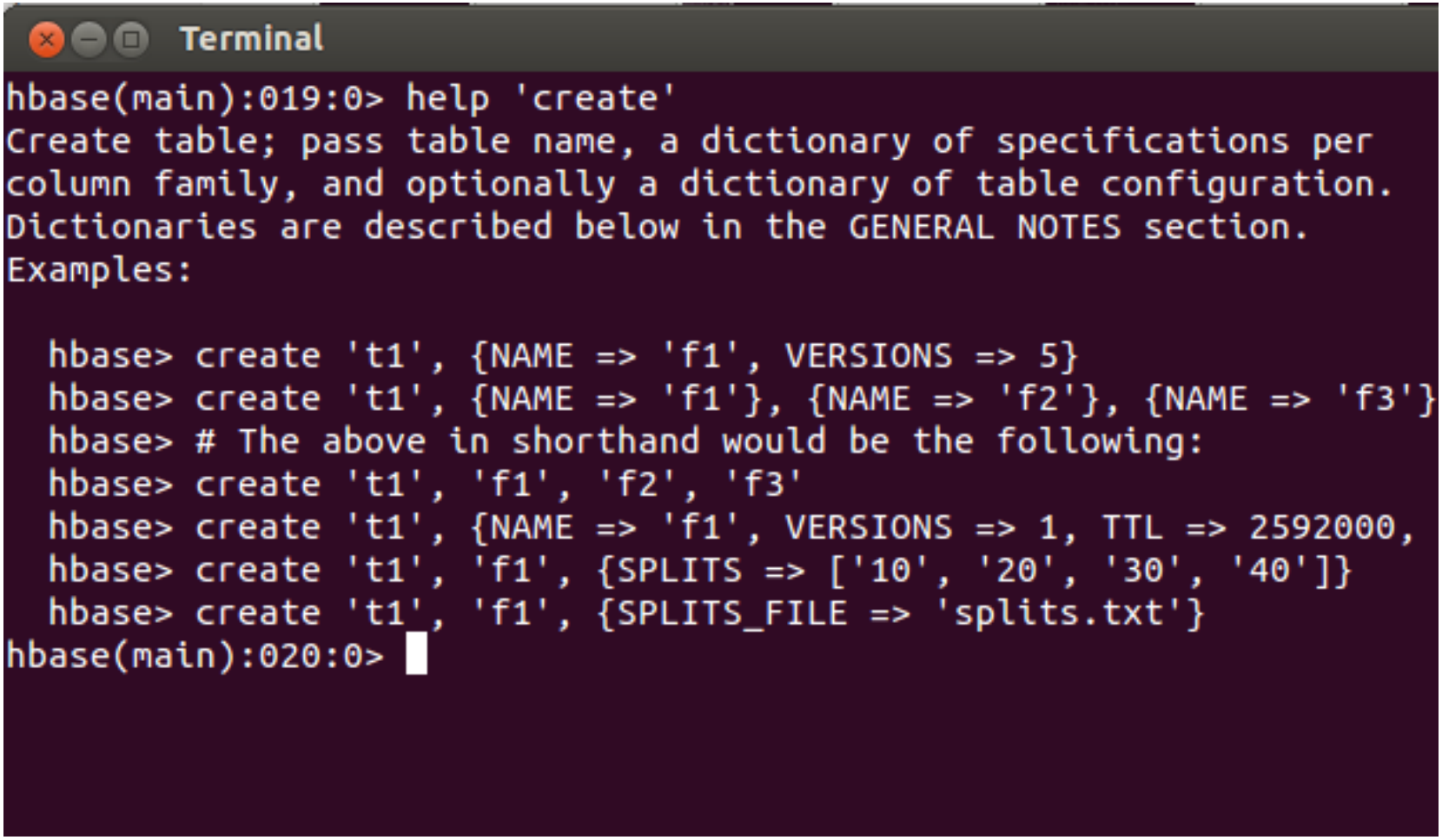
Count the no. of rows in a table

Count <<table name>>



Help command in hbase

Help 'create'



...Thanks...