Output:

```
sandbox login: maria_dev
maria_dev@sandbox.hortonworks.com's password:
[maria_dev@sandbox ~]$ hbase shell
HBase Shell; enter 'help<RETURN>' for list of supported commands.
Type "exit<RETURN>" to leave the HBase Shell
Version 1.1.2.2.5.0.0-1245, r53538b8ab6749cbb6fdc0fe448b89aa82495fb3f, Fri Aug 26 01:32:27 UTC 2016

hbase(main):001:0> status
1 active master, 0 backup masters, 1 servers, 0 dead, 7.0000 average load

hbase(main):002:0>  status 'simple'
active master:  sandbox.hortonworks.com:16000 1708483900126
0 backup masters
1 live servers
    sandbox.hortonworks.com:16020 1708483924677
        requestsPerSecond=0.0, numberOfOnlineRegions=7, usedHeapMB=119, maxHeapMB=1004, numberOfStores=16, numberOfStorefiles=13, storefileUncompressedSizeMB=0, storefileSizeMB=0, memstoreSizeMB=0, storefileInde
xSizeMB=0, readRequestsCount=37, writeRequestsCount=6, rootIndexSizeKB=1, totalStaticIndexSizeKB=0, totalStaticBloomSizeKB=3, totalCompactingKVs=0, currentCompactedKVs=0, compactionProgressPct=NaN, coprocessors=
[MultiRowMutationEndpoint, RangerAuthorizationCoprocessor, SecureBulkLoadEndpoint]
0 dead servers
Aggregate load: 0, regions: 7

hbase(main):003:0>  status 'summary'
1 active master, 0 backup masters, 1 servers, 0 dead, 7.0000 average load

hbase(main):004:0>  status 'detail'
1 active master, 0 backup masters, 1 servers, 0 dead, 7.0000 average load

hbase(main):005:0>  status 'detailed'
version 1.1.2.2.5.0.0-1245
0 regionsInTransition
active master:  sandbox.hortonworks.com:16000 1708483900126
0 backup masters
master coprocessors: [BackupController, RangerAuthorizationCoprocessor]
1 live servers
    sandbox.hortonworks.com:16020 1708483924677
        requestsPerSecond=0.0, numberOfOnlineRegions=7, usedHeapMB=157, maxHeapMB=1004, numberOfStores=16, numberOfStorefiles=12, storefileUncompressedSizeMB=0, storefileSizeMB=0, memstoreSizeMB=0, storefileInde
xSizeMB=0, readRequestsCount=44, writeRequestsCount=6, rootIndexSizeKB=1, totalStaticIndexSizeKB=0, totalStaticBloomSizeKB=3, totalCompactingKVs=60, currentCompactedKVs=60, compactionProgressPct=1.0, coprocessor
s=[MultiRowMutationEndpoint, RangerAuthorizationCoprocessor, SecureBulkLoadEndpoint]
        "ATLAS_ENTITY_AUDIT_EVENTS,,1477381869911.784020b90a2a39f38977cc3e9f8013bb."
            numberOfStores=1, numberOfStorefiles=1, storefileUncompressedSizeMB=0, lastMajorCompactionTimestamp=0, storefileSizeMB=0, memstoreSizeMB=0, storefileIndexSizeMB=0, readRequestsCount=0, writeRequestsC
ount=0, rootIndexSizeKB=1, totalStaticIndexSizeKB=0, totalStaticBloomSizeKB=0, totalCompactingKVs=0, currentCompactedKVs=0, compactionProgressPct=NaN, completeSequenceId=-1, dataLocality=1.0
        "atlas_titan,,1477381867560.e7ebecd36f124ccddcea7db8a4838d8d2."
            numberOfStores=6, numberOfStorefiles=5, storefileUncompressedSizeMB=0, lastMajorCompactionTimestamp=0, storefileSizeMB=0, memstoreSizeMB=0, storefileIndexSizeMB=0, readRequestsCount=0, writeRequestsC
ount=0, rootIndexSizeKB=0, totalStaticIndexSizeKB=0, totalStaticBloomSizeKB=3, totalCompactingKVs=0, currentCompactedKVs=0, compactionProgressPct=NaN, completeSequenceId=-1, dataLocality=1.0
        "hbase:acl,,1477381770533.f88c5ecd6b3ebb60506a7e14f9f50ab9."
            numberOfStores=1, numberOfStorefiles=0, storefileUncompressedSizeMB=0, lastMajorCompactionTimestamp=0, storefileSizeMB=0, memstoreSizeMB=0, storefileIndexSizeMB=0, readRequestsCount=0, writeRequestsC
ount=0, rootIndexSizeKB=0, totalStaticIndexSizeKB=0, totalStaticBloomSizeKB=0, totalCompactingKVs=0, currentCompactedKVs=0, compactionProgressPct=NaN, completeSequenceId=-1, dataLocality=0.0
        "hbase:backup,,1477381770655.328a7a97af9aec5423c6526f478e7f02."
            numberOfStores=2, numberOfStorefiles=0, storefileUncompressedSizeMB=0, lastMajorCompactionTimestamp=0, storefileSizeMB=0, memstoreSizeMB=0, storefileIndexSizeMB=0, readRequestsCount=0, writeRequestsC
ount=0, rootIndexSizeKB=0, totalStaticIndexSizeKB=0, totalStaticBloomSizeKB=0, totalCompactingKVs=0, currentCompactedKVs=0, compactionProgressPct=NaN, completeSequenceId=-1, dataLocality=0.0
```

```
hbase(main):006:0> version
1.1.2.2.5.0.0-1245, r53538b8ab6749cbb6fdc0fe448b89aa82495fb3f, Fri Aug 26 01:32:27 UTC 2016

hbase(main):007:0> table_help
Help for table-reference commands.

You can either create a table via 'create' and then manipulate the table via commands like 'put', 'get', etc.
See the standard help information for how to use each of these commands.

However, as of 0.96, you can also get a reference to a table, on which you can invoke commands.
For instance, you can get create a table and keep around a reference to it via:

   hbase> t = create 't', 'cf'

Or, if you have already created the table, you can get a reference to it:

   hbase> t = get_table 't'

You can do things like call 'put' on the table:

  hbase> t.put 'r', 'cf:q', 'v'

which puts a row 'r' with column family 'cf', qualifier 'q' and value 'v' into table t.

To read the data out, you can scan the table:

  hbase> t.scan

which will read all the rows in table 't'.

Essentially, any command that takes a table name can also be done via table reference.
Other commands include things like: get, delete, deleteall,
get_all_columns, get_counter, count, incr. These functions, along with
the standard JRuby object methods are also available via tab completion.

For more information on how to use each of these commands, you can also just type:

   hbase> t.help 'scan'

which will output more information on how to use that command.

You can also do general admin actions directly on a table; things like enable, disable,
flush and drop just by typing:

   hbase> t.enable
   hbase> t.flush
   hbase> t.disable
   hbase> t.drop
```

```
hbase(main):008:0> create 'product', 'shoe', 'tshirt'
0 row(s) in 2.4900 seconds

=> Hbase::Table - product
hbase(main):009:0> list
TABLE
ATLAS_ENTITY_AUDIT_EVENTS
atlas_titan
iemployee
product
4 row(s) in 0.1170 seconds

=> ["ATLAS_ENTITY_AUDIT_EVENTS", "atlas_titan", "iemployee", "product"]
hbase(main):010:0> describe 'product'
Table product is ENABLED
product
COLUMN FAMILIES DESCRIPTION
{NAME => 'shoe', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KEEP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN_VERSIONS => '0', BLOCKCACH
E => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0'}
{NAME => 'tshirt', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KEEP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN_VERSIONS => '0', BLOCKCA
CHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0'}
2 row(s) in 0.2670 seconds

hbase(main):011:0> put 'product', '1', 'shoe:brand', 'Adidas'
0 row(s) in 0.2410 seconds

hbase(main):012:0> put 'product', '1', 'shoe:price', '$45'
0 row(s) in 0.0340 seconds

hbase(main):013:0> put 'product', '1', 'shoe:color', 'White'
0 row(s) in 0.0370 seconds

hbase(main):014:0> put 'product', '1', 'shoe:Color', 'Running Shoes for Men'
0 row(s) in 0.0450 seconds

hbase(main):015:0> put 'product', '1', 'shoe:description', 'Running Shoes for Men'
0 row(s) in 0.0390 seconds

hbase(main):016:0> put 'product', '2', 'tshirt:brand', 'Nike'
0 row(s) in 0.0340 seconds

hbase(main):017:0> put 'product', '1', 'shoe:price', '$50'
0 row(s) in 0.0240 seconds

hbase(main):018:0> put 'product', '2', 'tshirt:price', '$30'
0 row(s) in 0.0320 seconds

hbase(main):019:0> put 'product', '2', 'tshirt:color', 'Blue'
0 row(s) in 0.0310 seconds
```

```
hbase(main):018:0> put 'product', '2', 'tshirt:price', '$30'
0 row(s) in 0.0320 seconds

hbase(main):019:0> put 'product', '2', 'tshirt:color', 'Blue'
0 row(s) in 0.0310 seconds

hbase(main):020:0> put 'product', '2', 'tshirt:description', 'Round Neck with Half Sleeves'
0 row(s) in 0.0400 seconds

hbase(main):021:0> scan 'product'
ROW                                             COLUMN+CELL
 1                                              column=shoe:Color, timestamp=1708485842721, value=Running Shoes for Men
 1                                              column=shoe:brand, timestamp=1708485615855, value=Adidas
 1                                              column=shoe:color, timestamp=1708485755057, value=White
 1                                              column=shoe:description, timestamp=1708485872184, value=Running Shoes for Men
 1                                              column=shoe:price, timestamp=1708485957829, value=$50
 2                                              column=tshirt:brand, timestamp=1708485939327, value=Nike
 2                                              column=tshirt:color, timestamp=1708486005743, value=Blue
 2                                              column=tshirt:description, timestamp=1708486042434, value=Round Neck with Half Sleeves
 2                                              column=tshirt:price, timestamp=1708485986268, value=$30
2 row(s) in 0.1420 seconds

hbase(main):022:0> put 'product', '1', 'shoe:brand', 'Puma'
0 row(s) in 0.0630 seconds

hbase(main):023:0> scan 'product'
ROW                                             COLUMN+CELL
 1                                              column=shoe:Color, timestamp=1708485842721, value=Running Shoes for Men
 1                                              column=shoe:brand, timestamp=1708486418391, value=Puma
 1                                              column=shoe:color, timestamp=1708485755057, value=White
 1                                              column=shoe:description, timestamp=1708485872184, value=Running Shoes for Men
 1                                              column=shoe:price, timestamp=1708485957829, value=$50
 2                                              column=tshirt:brand, timestamp=1708485939327, value=Nike
 2                                              column=tshirt:color, timestamp=1708486005743, value=Blue
 2                                              column=tshirt:description, timestamp=1708486042434, value=Round Neck with Half Sleeves
 2                                              column=tshirt:price, timestamp=1708485986268, value=$30
2 row(s) in 0.1900 seconds
```

```
hbase(main):001:0> get 'product', '1'
COLUMN                                          CELL
 shoe:Color                                     timestamp=1708485842721, value=Running Shoes for Men
 shoe:brand                                     timestamp=1708486418391, value=Puma
 shoe:color                                     timestamp=1708485755057, value=White
 shoe:description                               timestamp=1708485872184, value=Running Shoes for Men
 shoe:price                                     timestamp=1708485957829, value=$50
5 row(s) in 0.3710 seconds

hbase(main):002:0> scan 'product', {LIMIT => 1}
ROW                                             COLUMN+CELL
 1                                              column=shoe:Color, timestamp=1708485842721, value=Running Shoes for Men
 1                                              column=shoe:brand, timestamp=1708486418391, value=Puma
 1                                              column=shoe:color, timestamp=1708485755057, value=White
 1                                              column=shoe:description, timestamp=1708485872184, value=Running Shoes for Men
 1                                              column=shoe:price, timestamp=1708485957829, value=$50
1 row(s) in 0.0720 seconds

hbase(main):003:0> scan 'product', {LIMIT => 2}
ROW                                             COLUMN+CELL
 1                                              column=shoe:Color, timestamp=1708485842721, value=Running Shoes for Men
 1                                              column=shoe:brand, timestamp=1708486418391, value=Puma
 1                                              column=shoe:color, timestamp=1708485755057, value=White
 1                                              column=shoe:description, timestamp=1708485872184, value=Running Shoes for Men
 1                                              column=shoe:price, timestamp=1708485957829, value=$50
 2                                              column=tshirt:brand, timestamp=1708485939327, value=Nike
 2                                              column=tshirt:color, timestamp=1708486005743, value=Blue
 2                                              column=tshirt:description, timestamp=1708486042434, value=Round Neck with Half Sleeves
 2                                              column=tshirt:price, timestamp=1708485986268, value=$30
2 row(s) in 0.0360 seconds

hbase(main):004:0> disable 'product'
0 row(s) in 3.0650 seconds

hbase(main):005:0> scan 'product', {LIMIT => 2}
ROW                                             COLUMN+CELL

ERROR: product is disabled.

Here is some help for this command:
Scan a table; pass table name and optionally a dictionary of scanner
specifications.  Scanner specifications may include one or more of:
TIMERANGE, FILTER, LIMIT, STARTROW, STOPROW, ROWPREFIXFILTER, TIMESTAMP,
MAXLENGTH or COLUMNS, CACHE or RAW, VERSIONS

If no columns are specified, all columns will be scanned.
To scan all members of a column family, leave the qualifier empty as in
'col_family:'.

The filter can be specified in two ways:
```

```
hbase(main):006:0> enable 'product'
0 row(s) in 2.3870 seconds

hbase(main):007:0> scan 'product', {LIMIT => 2}
ROW                                                   COLUMN+CELL
 1                                                    column=shoe:Color, timestamp=1708485842721, value=Running Shoes for Men
 1                                                    column=shoe:brand, timestamp=1708486418391, value=Puma
 1                                                    column=shoe:color, timestamp=1708485755057, value=White
 1                                                    column=shoe:description, timestamp=1708485872184, value=Running Shoes for Men
 1                                                    column=shoe:price, timestamp=1708485957829, value=$50
 2                                                    column=tshirt:brand, timestamp=1708485939327, value=Nike
 2                                                    column=tshirt:color, timestamp=1708486005743, value=Blue
 2                                                    column=tshirt:description, timestamp=1708486042434, value=Round Neck with Half Sleeves
 2                                                    column=tshirt:price, timestamp=1708485986268, value=$30
2 row(s) in 0.0620 seconds

hbase(main):008:0> show_filters
DependentColumnFilter
KeyOnlyFilter
ColumnCountGetFilter
SingleColumnValueFilter
PrefixFilter
SingleColumnValueExcludeFilter
FirstKeyOnlyFilter
ColumnRangeFilter
TimestampsFilter
FamilyFilter
QualifierFilter
ColumnPrefixFilter
RowFilter
MultipleColumnPrefixFilter
InclusiveStopFilter
PageFilter
ValueFilter
ColumnPaginationFilter

hbase(main):009:0> is_enabled 'product'
true
0 row(s) in 0.0190 seconds

hbase(main):010:0> count 'product', CACHE => 1000
2 row(s) in 0.0920 seconds

=> 2
hbase(main):011:0> disable 'product'
0 row(s) in 2.3530 seconds

hbase(main):012:0> drop 'product'
0 row(s) in 1.3290 seconds
```

```
hbase(main):013:0> list
TABLE
ATLAS_ENTITY_AUDIT_EVENTS
atlas_titan
iemployee
3 row(s) in 0.0490 seconds

=> ["ATLAS_ENTITY_AUDIT_EVENTS", "atlas_titan", "iemployee"]
```