

```
hbase(main):004:0> create 'location','name','Parent','Child'
```

```
0 row(s) in 1.2710 seconds
```

```
=> Hbase::Table - location
```

```
hbase(main):005:0> scan 'location'
```

```
ROW          COLUMN+CELL
```

```
0 row(s) in 0.0550 seconds
```

```
hbase(main):006:0> create 'student','Info','course'
```

```
0 row(s) in 2.2670 seconds
```

```
=> Hbase::Table - student
```

```
hbase(main):007:0> create 'course','Info','student'
```

```
0 row(s) in 1.2360 seconds
```

```
=> Hbase::Table - course
```

```
hbase(main):008:0> create 'useraction','Name'
```

```
0 row(s) in 1.2380 seconds
```

```
=> Hbase::Table - useraction
```

```
hbase(main):009:0> create 'userfriends','Info','Friend'
```

```
0 row(s) in 1.2580 seconds
```

=> Hbase::Table - userfriends

```
hbase(main):010:0> create 'accesslog','HTTP','User'
```

0 row(s) in 1.2350 seconds

=> Hbase::Table - accesslog

```
hbase(main):011:0> put 'location','china','parent:parent','1=nation'
```

```
hbase(main):008:0> put 'student','1','Info:sex','male'
```

0 row(s) in 0.0250 seconds

```
hbase(main):009:0> put 'student','1','Info:age','23'
```

0 row(s) in 0.0090 seconds

```
hbase(main):010:0> scan 'student'
```

ROW	COLUMN+CELL
1	column=Info:Name, timestamp=1528941346067, value=harish
1	column=Info:age, timestamp=1528941465077, value=23
1	column=Info:sex, timestamp=1528941426526, value=male

1 row(s) in 0.0230 seconds

```
hbase(main):011:0> put 'student','1','course:cse','bachelors'
```

0 row(s) in 0.0090 seconds

```
hbase(main):012:0> scan 'student'
```

ROW	COLUMN+CELL
1	column=Info:Name, timestamp=1528941346067, value=harish
1	column=Info:age, timestamp=1528941465077, value=23
1	column=Info:sex, timestamp=1528941426526, value=male
1	column=course:cse, timestamp=1528941534074, value=bachelor

s

1 row(s) in 0.0200 seconds

hbase(main):013:0> put 'course','1','Info:title','big\_data'

0 row(s) in 0.0330 seconds

hbase(main):014:0> put 'course','1','Info:Introduction','hadoop'

0 row(s) in 0.0110 seconds

hbase(main):015:0> put 'course','1','Info:teacher\_id','instructor'

0 row(s) in 0.0130 seconds

hbase(main):016:0> scan 'course'

ROW	COLUMN+CELL
1	column=Info:Introduction, timestamp=1528941612639, value=h adoop
1	column=Info:teacher_id, timestamp=1528941628592, value=ins tructor
1	column=Info:title, timestamp=1528941596747, value=big_data

1 row(s) in 0.0190 seconds

```
hbase(main):017:0> describe 'accesslog'
```

Table accesslog is ENABLED

accesslog

COLUMN FAMILIES DESCRIPTION

```
{NAME => 'HTTP', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KE
EP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', CO
MPRESSION => 'NONE', MIN_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65
536', REPLICATION_SCOPE => '0'}
```

```
{NAME => 'User', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KE
EP_DELETED_CELLS => 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', CO
MPRESSION => 'NONE', MIN_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65
536', REPLICATION_SCOPE => '0'}
```

2 row(s) in 0.0440 seconds

```
hbase(main):018:0> put 'accesslog','1:30AM_1','HTTP:IP','128.68.10'
```

0 row(s) in 0.0230 seconds

```
hbase(main):019:0> scan 'accesslog'
```

ROW	COLUMN+CELL
-----	-------------

1:30AM_1	column=HTTP:IP, timestamp=1528941902309, value=128.68.10
----------	--

1 row(s) in 0.0200 seconds

```
hbase(main):020:0> put 'accesslog','1:30AM_1','HTTP:Domain','google'
```

0 row(s) in 0.0100 seconds

```
hbase(main):021:0> put 'accesslog','1:30AM_1','HTTP:URL','www.google.com'
```

```
0 row(s) in 0.0120 seconds
```

```
put 'accesslog','1:30AM_1','HTTP:URL','www.google.com'
```

```
0 row(s) in 0.0080 seconds
```

```
hbase(main):023:0> put 'accesslog','1:30AM_1','HTTP:Referrer','https://www.bing.com'
```

```
SyntaxError: (hbase):23: syntax error, unexpected tSTRING_BEG
```

```
put 'accesslog','1:30AM_1','HTTP:Referrer','https://www.bing.com'
```

```
^
```

```
hbase(main):024:0> scan 'accesslog'
```

ROW	COLUMN+CELL
1:30AM_1	column=HTTP:Domain, timestamp=1528941957608, value=google
1:30AM_1	column=HTTP:IP, timestamp=1528941902309, value=128.68.10
1:30AM_1	column=HTTP:URL, timestamp=1528942048906, value=www.google
	.com

```
1 row(s) in 0.0280 seconds
```

```
hbase(main):025:0> put 'accesslog','1:30AM_1','HTTP:Referrer','https://www.bing.com'
```

```
0 row(s) in 0.0050 seconds
```

```
hbase(main):026:0> scan 'accesslog'
```

ROW	COLUMN+CELL
-----	-------------

```

1:30AM_1      column=HTTP:Domain, timestamp=1528941957608, value=google
1:30AM_1      column=HTTP:IP, timestamp=1528941902309, value=128.68.10
1:30AM_1      column=HTTP:Referrer, timestamp=1528942098708, value=https
                ;//www.bing.com
1:30AM_1      column=HTTP:URL, timestamp=1528942048906, value=www.google
                .com

```

1 row(s) in 0.0160 seconds

```
hbase(main):027:0> put 'accesslog','1:30AM_1','User:Browser','chrome'
```

0 row(s) in 0.0350 seconds

```
hbase(main):028:0> put 'accesslog','1:30AM_1','User:Login_ID','12345'
```

0 row(s) in 0.0110 seconds

```
hbase(main):029:0> scan 'accesslog'
```

ROW	COLUMN+CELL
1:30AM_1	column=HTTP:Domain, timestamp=1528941957608, value=google
1:30AM_1	column=HTTP:IP, timestamp=1528941902309, value=128.68.10
1:30AM_1	column=HTTP:Referrer, timestamp=1528942098708, value=https ;//www.bing.com
1:30AM_1	column=HTTP:URL, timestamp=1528942048906, value=www.google .com
1:30AM_1	column=User:Browser, timestamp=1528942236483, value=chrome
1:30AM_1	column=User:Login_ID, timestamp=1528942256004, value=12345

1 row(s) in 0.0500 seconds

```
hbase(main):030:0> put 'course','1','student:student_id','06'
```

```
0 row(s) in 0.0060 seconds
```

```
hbase(main):031:0> scan 'course'
```

ROW	COLUMN+CELL
1	column=Info:Introduction, timestamp=1528941612639, value=h adoop
1	column=Info:teacher_id, timestamp=1528941628592, value=ins tructor
1	column=Info:title, timestamp=1528941596747, value=big_data
1	column=student:student_id, timestamp=1528942305111, value= 06

```
1 row(s) in 0.0250 seconds
```

```
hbase(main):032:0> scan 'student'
```

ROW	COLUMN+CELL
1	column=Info:Name, timestamp=1528941346067, value=harish
1	column=Info:age, timestamp=1528941465077, value=23
1	column=Info:sex, timestamp=1528941426526, value=male
1	column=course:cse, timestamp=1528941534074, value=bachelor s

```
1 row(s) in 0.0280 seconds
```

```
hbase(main):033:0> scan 'accesslog'
```

ROW	COLUMN+CELL
1:30AM_1	column=HTTP:Domain, timestamp=1528941957608, value=google
1:30AM_1	column=HTTP:IP, timestamp=1528941902309, value=128.68.10
1:30AM_1	column=HTTP:Referrer, timestamp=1528942098708, value=https ;://www.bing.com
1:30AM_1	column=HTTP:URL, timestamp=1528942048906, value=www.google .com
1:30AM_1	column=User:Browser, timestamp=1528942236483, value=chrome
1:30AM_1	column=User:Login_ID, timestamp=1528942256004, value=12345

1 row(s) in 0.0210 seconds

hbase(main):034:0> status

1 active master, 0 backup masters, 1 servers, 0 dead, 8.0000 average load

hbase(main):035:0> whoami

harish (auth:SIMPLE)

groups: harish, adm, cdrom, sudo, dip, plugdev, lpadmin, sambashare

hbase(main):036:0> version

1.2.6.1, rUnknown, Sun Jun 3 23:19:26 CDT 2018

hbase(main):037:0> list

TABLE

accesslog

course



icp

location

student

useraction

6 row(s) in 0.0360 seconds

=> ["accesslog", "course", "icp", "location", "student", "useraction"]

hbase(main):038:0> describe 'student'

Table student is ENABLED

student

COLUMN FAMILIES DESCRIPTION

{NAME => 'Info', BLOOMFILTER => 'ROW', VERSIONS => '1', IN\_MEMORY => 'false', KE

EP\_DELETED\_CELLS => 'FALSE', DATA\_BLOCK\_ENCODING => 'NONE', TTL => 'FOREVER', CO

MPRESSION => 'NONE', MIN\_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65

536', REPLICATION\_SCOPE => '0'}

{NAME => 'course', BLOOMFILTER => 'ROW', VERSIONS => '1', IN\_MEMORY => 'false',

KEEP\_DELETED\_CELLS => 'FALSE', DATA\_BLOCK\_ENCODING => 'NONE', TTL => 'FOREVER',

COMPRESSION => 'NONE', MIN\_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '

65536', REPLICATION\_SCOPE => '0'}

2 row(s) in 0.0310 seconds

hbase(main):039:0> is\_enabled 'location'

true

0 row(s) in 0.0150 seconds

```
hbase(main):040:0> scan 'course'
```

ROW	COLUMN+CELL
1	column=Info:Introduction, timestamp=1528941612639, value=h adoop
1	column=Info:teacher_id, timestamp=1528941628592, value=ins tructor
1	column=Info:title, timestamp=1528941596747, value=big_data
1	column=student:student_id, timestamp=1528942305111, value= 06

```
1 row(s) in 0.0590 seconds
```

```
hbase(main):041:0> delete,'course','1','Info:title','1528942305111'
```

```
SyntaxError: (hbase):41: syntax error, unexpected ','
```

```
delete,'course','1','Info:title','1528942305111'
```

```
^
```

```
hbase(main):042:0> delete 'course','1','Info:title','1528942305111'
```

```
ERROR: no constructorfor arguments (org.jruby.java.proxies.ArrayJavaProxy,org.jruby.RubyString) on  
Java::OrgApacheHadoopHbaseClient::Delete
```

Here is some help for this command:

Put a delete cell value at specified table/row/column and optionally

timestamp coordinates. Deletes must match the deleted cell's

coordinates exactly. When scanning, a delete cell suppresses older

versions. To delete a cell from 't1' at row 'r1' under column 'c1' marked with the time 'ts1', do:

```
hbase> delete 'ns1:t1', 'r1', 'c1', ts1
```

```
hbase> delete 't1', 'r1', 'c1', ts1
```

```
hbase> delete 't1', 'r1', 'c1', ts1, {VISIBILITY=>'PRIVATE|SECRET'}
```

The same command can also be run on a table reference. Suppose you had a reference t to table 't1', the corresponding command would be:

```
hbase> t.delete 'r1', 'c1', ts1
```

```
hbase> t.delete 'r1', 'c1', ts1, {VISIBILITY=>'PRIVATE|SECRET'}
```

```
hbase(main):043:0> delete 'course','1','Info:title',1528942305111
```

```
0 row(s) in 0.0530 seconds
```

```
hbase(main):044:0> scan 'course'
```

ROW	COLUMN+CELL
1	column=Info:Introduction, timestamp=1528941612639, value=h adoop
1	column=Info:teacher_id, timestamp=1528941628592, value=ins tructor
1	column=student:student_id, timestamp=1528942305111, value= 06

1 row(s) in 0.0360 seconds

hbase(main):045:0> flush 'location'

0 row(s) in 0.3510 seconds

hbase(main):046:0> scan 'location'

ROW	COLUMN+CELL
-----	-------------

china	column=Child:child, timestamp=1528938268730, value=5=state
-------	--

china	column=Parent:parent, timestamp=1528937837038, value=1=nat
-------	--

ion

1 row(s) in 0.0470 seconds

hbase(main):047:0> harish@ubuntu:~/hbase-1.2.6.1-bin/hbase-1.2.6.1/bin\$