**Create a table:**

create 'emp', 'personal data', 'professional data'

**List created table:**

list

**Scan data within table**

scan ‘emp’

**Describe table**

describe ‘emp’

**Alter column family**

alter 'emp', {NAME ​ ⇒ ​ 'new column family'}

alter ‘emp’, ‘delete’ ​ ⇒ ​ ‘new column family’

OR

alter 'emp', {NAME ​ ⇒ ​ 'new column family', METHOD => ‘delete’}

**Check if table exists**

exists ‘emp’

**Disable a table**

disable ‘emp’

**Drop a table**

*First you need to disable and then drop*

drop ‘emp’

**Insert data into table**

put ’<table name>’,’row key’,’<colfamily:colname>’,’<value>’

*example:*

put 'emp','1','personal data:name','John'

put 'emp','1','personal data:city','Montreal’'

put 'emp','1','professional data:designation','manager'

put 'emp','1','professional data:salary','15000'

**Update data into table**

put ‘table name’,’row key’,'Column family:column name',’new value’

**Read a specific record**

get ’<table name>’,’<row key>’

**Read a specific column of a record**

get 'table name', ‘row key’, {COLUMN ​ ⇒ ​ ‘column family:column name ’}

**Delete a specific cell**

delete ‘<table name>’, ‘<row>’, ‘<column family:column name >’, ‘<time stamp>’

**Delete a record**

deleteall ‘<table name>’, ‘<row key>’

**Count records in a table**

count ‘<table name>’

**Truncate whole table**

truncate ‘<table name>’

**Reference:**

<http://www.tutorialspoint.com/hbase/>

Cell versions:

<https://stackoverflow.com/questions/8466079/how-to-get-multiple-versions-from-one-specific-row-and-column-in-hbase>

Namespace:

<http://archive-primary.cloudera.com/cdh5/cdh/5/hbase-0.96.1.1-cdh5.0.0/book/namespace.html>

Storage:

<https://stackoverflow.com/questions/24935086/where-are-hbase-namespaces-tables-data-stored-on-the-hdfs>

Commands

<https://learnhbase.wordpress.com/2013/03/02/hbase-shell-commands/>

Java API:

https://github.com/NeejaYanglea/HBase-Exercises/tree/master/src/it/uniroma3/sii/homework/hbase