

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

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