

Task2:

1. Create an HBase table named 'clicks' with a column family 'hits' such that it should be able to store last 5 values of qualifiers inside 'hits' column family.

```
Hadoop 2.6.5 New 32 Bit [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
[acacgild@localhost ~]$ hbase shell
2018-06-17 13:47:11,726 WARN [main] util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using b
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acacgild/install/hbase/hbase-1.4.4/lib/slf4j-log4j12-1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acacgild/install/hadoop/hadoop-2.6.5/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
Version 1.4.4, rfe146eb48c24d56dbcd2f669bb5ff8197e6c918b, Sun Apr 22 20:42:02 PDT 2018

hbase(main):001:0> create 'clicks', 'hits'
0 row(s) in 7.7330 seconds

=> Hbase::Table - clicks
hbase(main):002:0> describe 'clicks'
Table clicks is ENABLED
clicks
COLUMN FAMILIES DESCRIPTION
{NAME => 'hits', 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'}
1 row(s) in 1.0790 seconds

hbase(main):003:0>
```

-----As per assignment altering version from 1 to 5

```
hbase(main):003:0> alter 'clicks', {NAME => 'hits', VERSIONS => '5'}
Updating all regions with the new schema...
1/1 regions updated.
Done.
0 row(s) in 3.0240 seconds

hbase(main):004:0> describe 'clicks'
Table clicks is ENABLED
clicks
COLUMN FAMILIES DESCRIPTION
{NAME => 'hits', BLOOMFILTER => 'ROW', VERSIONS => '5', 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'}
1 row(s) in 0.1450 seconds

hbase(main):005:0>
```

2) Add few records in the table and update some of them. Use IP Address as row-key. Scan the table to view if all the previous versions are getting displayed.

```
hbase(main):002:0> put 'clicks','127.0.0.1','hits:website','google'  
0 row(s) in 0.6190 seconds
```

```
hbase(main):003:0> put 'clicks','127.0.0.2','hits:website','yahoo'  
0 row(s) in 0.1320 seconds
```

```
hbase(main):004:0> put 'clicks','127.0.0.3','hits:website','amazon'  
0 row(s) in 0.1650 seconds
```

```
hbase(main):005:0> █
```

```
hbase(main):005:0> get 'clicks','127.0.0.3'  
COLUMN                                CELL  
hits:website                          timestamp=1529224317952, value=amazon  
1 row(s) in 0.3830 seconds
```

```
hbase(main):006:0> put 'clicks','127.0.0.3','hits:website','insta'  
0 row(s) in 0.1120 seconds
```

```
hbase(main):007:0> put 'clicks','127.0.0.3','hits:website','makemytrip'  
0 row(s) in 0.0850 seconds
```

```
hbase(main):008:0> put 'clicks','127.0.0.3','hits:website','facebook'  
0 row(s) in 0.1370 seconds
```

```
hbase(main):009:0> put 'clicks','127.0.0.3','hits:website','whatsapp'  
0 row(s) in 0.1280 seconds
```

```
hbase(main):011:0> get 'clicks','127.0.0.3',{COLUMN => 'hits:website',VERSIONS => 5}  
COLUMN                                CELL  
hits:website                          timestamp=1529224662814, value=whatsapp  
hits:website                          timestamp=1529224647752, value=facebook  
hits:website                          timestamp=1529224636114, value=makemytrip  
hits:website                          timestamp=1529224580549, value=insta  
hits:website                          timestamp=1529224317952, value=amazon  
1 row(s) in 0.3020 seconds
```

```
hbase(main):012:0> █
```

acadgild@localhost:~

acadgild

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