Assignment 9.2

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

    ➢ Here is the HBase table created as below ,as mentioned able to store last 5 values of qualifiers inside hits so here versions is given the value 5 as below

```
hbase(main):113:0> create 'clicks',{NAME=>'hits',VERSIONS=>5}
0 row(s) in 4.3560 seconds
```

```
hbase(main):110:0> desc 'clicks'
Table clicks is ENABLED
clicks
COLUMN FAMILIES DESCRIPTION
{NAME => 'hits', BLOOMFILTER => 'ROW', VERSIONS => '5', 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'}
1 row(s) in 0.1160 seconds
```

Problem:2

Add few records in the table and update some of them. Use IP address as row-key. scan the table view if all the previous versions are getting displayed.

Here as below some records are updated into the clicks table

```
hbase(main):021:0> put 'clicks','1','hits:action','drag'
0 row(s) in 0.0910 seconds

hbase(main):022:0> put 'clicks','1','hits:action','drop'
0 row(s) in 0.0250 seconds

hbase(main):023:0> put 'clicks','1','hits:action','drill'
0 row(s) in 0.0570 seconds

hbase(main):024:0> put 'clicks','1','hits:action','scroll'
0 row(s) in 0.0220 seconds

hbase(main):025:0> put 'clicks','1','hits:action','roll up'
0 row(s) in 0.0180 seconds
```

Here are the following records presents accessed using get

```
hbase(main):107:0> get 'clicks','1',{COLUMN=>'hits:action',VERSIONS=>5}
COLUMN                    CELL
 hits:action               timestamp=1519747136295, value=Drop
 hits:action               timestamp=1519747129751, value=Drag
 hits:action               timestamp=1519746398377, value=roll up
 hits:action               timestamp=1519746387344, value=scroll
 hits:action               timestamp=1519746380001, value=drill
5 row(s) in 0.0620 seconds

hbase(main):108:0> get 'clicks','1',{COLUMN=>'hits:action',VERSIONS=>3}
COLUMN                    CELL
 hits:action               timestamp=1519747136295, value=Drop
 hits:action               timestamp=1519747129751, value=Drag
 hits:action               timestamp=1519746398377, value=roll up
3 row(s) in 0.0320 seconds

hbase(main):109:0> get 'clicks','2',{COLUMN=>'hits:action',VERSIONS=>1}
COLUMN                    CELL
 hits:action               timestamp=1519747283421, value=roll up
1 row(s) in 0.0370 seconds

hbase(main):110:0>
```