**Hi Team**

**Please let me know if I was supposed to program solutions using Java API, I will re-submit the assignment.**

**Thanks**

**Problem 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.**

hbase(main):140:0> **create 'clicks',{NAME=>'hits',VERSIONS=>5}  
0 row(s) in 0.5110 seconds**  
  
=> Hbase::Table - clicks  
hbase(main):141:0> put 'clicks','row1','hits:unique','A'  
0 row(s) in 0.0790 seconds  
  
hbase(main):142:0> put 'clicks','row1','hits:unique','B'  
0 row(s) in 0.0150 seconds  
  
hbase(main):143:0> put 'clicks','row1','hits:unique','C'  
0 row(s) in 0.0100 seconds  
  
hbase(main):144:0> put 'clicks','row1','hits:unique','D'  
0 row(s) in 0.0100 seconds  
  
hbase(main):145:0> put 'clicks','row1','hits:unique','E'  
0 row(s) in 0.0120 seconds  
  
hbase(main):146:0> put 'clicks','row1','hits:unique','F'  
0 row(s) in 0.0110 seconds  
hbase(main):147:0> put 'clicks','row1','hits:unique','G'  
  
hbase(main):151:0> **scan 'clicks',{VERSIONS=>5}**  
ROW                       COLUMN+CELL                                                             
 row1                     column=hits:unique, timestamp=1493289928661, value=G                    
 row1                     column=hits:unique, timestamp=1493289925625, value=F                    
 row1                     column=hits:unique, timestamp=1493289920646, value=E                    
 row1                     column=hits:unique, timestamp=1493289917133, value=D                    
 row1                     column=hits:unique, timestamp=1493289912101, value=C

**Problem 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):021:0> create 'clicks',{NAME=>'hits',VERSIONS=>8}  
0 row(s) in 2.9660 seconds  
  
=> Hbase::Table - clicks  
hbase(main):022:0> put 'clicks','192.168.10.21','hits:true','[www.yahoo.com](http://www.yahoo.com/)'  
0 row(s) in 3.6630 seconds  
  
hbase(main):023:0> put 'clicks','192.168.10.22','hits:true','[www.google.com](http://www.google.com/)'  
0 row(s) in 0.1860 seconds  
  
hbase(main):027:0> put 'clicks','192.168.10.24','hits:true','[www.mapr.com](http://www.mapr.com/)'  
hbase(main):028:0> put 'clicks','192.168.10.24','hits:true','[www.mapr1.com](http://www.mapr1.com/)'  
0 row(s) in 0.0890 seconds  
  
hbase(main):029:0> put 'clicks','192.168.10.24','hits:true','[www.mapr2.com](http://www.mapr2.com/)'  
0 row(s) in 0.3230 seconds  
  
0 row(s) in 0.0580 seconds  
  
hbase(main):033:0> scan 'clicks'  
ROW                       COLUMN+CELL                                                             
 192.168.10.21            column=hits:true, timestamp=1493320345633, value=[www.yahoo.com](http://www.yahoo.com/)          
 192.168.10.22            column=hits:true, timestamp=1493320355468, value=[www.google.com](http://www.google.com/)         
 192.168.10.23            column=hits:true, timestamp=1493320389306, value=[www.quora.com](http://www.quora.com/)          
 192.168.10.24            column=hits:true, timestamp=1493320459856, value=[www.mapr2.com](http://www.mapr2.com/)   
  
hbase(main):031:0> scan 'clicks',{VERSIONS=>5}  
ROW                       COLUMN+CELL                                                             
 192.168.10.21            column=hits:true, timestamp=1493320345633, value=[www.yahoo.com](http://www.yahoo.com/)          
 192.168.10.22            column=hits:true, timestamp=1493320355468, value=[www.google.com](http://www.google.com/)         
 192.168.10.23            column=hits:true, timestamp=1493320389306, value=[www.quora.com](http://www.quora.com/)          
 192.168.10.24            column=hits:true, timestamp=1493320459856, value=[www.mapr2.com](http://www.mapr2.com/)          
 192.168.10.24            column=hits:true, timestamp=1493320455943, value=[www.mapr1.com](http://www.mapr1.com/)          
 192.168.10.24            column=hits:true, timestamp=1493320422911, value=[www.mapr.com](http://www.mapr.com/)           
4 row(s) in 0.3820 seconds