Assignment 9.2

1. Create table name "**Clicks**" and columns family name "**hits**"

```
hbase(main):027:0> create 'clicks', {NAME=>'hits', VERSIONS=>5}
0 row(s) in 0.4390 seconds

=> Hbase::Table - clicks
hbase(main):028:0>
```

   a. Insert few values:

```
hbase(main):028:0> put 'clicks','192.10.20.1','hits:Name','Amit'
0 row(s) in 0.1250 seconds

hbase(main):029:0> put 'clicks','192.10.20.1','hits:Age','29'
0 row(s) in 0.0080 seconds

hbase(main):030:0> put 'clicks','192.10.20.1','hits:Sports','FootBall'
0 row(s) in 0.0110 seconds

hbase(main):031:0>
hbase(main):032:0* put 'clicks','192.20.20.2','hits:Name','Hardik'
0 row(s) in 0.0100 seconds

hbase(main):033:0> put 'clicks','192.20.20.2','hits:Age','26'
0 row(s) in 0.0060 seconds

hbase(main):034:0> put 'clicks','192.20.20.2','hits:Sports','Cricket'
0 row(s) in 0.0170 seconds

hbase(main):035:0>
```

   b. To view the records in the table, we use the **scan** function : **scan '<tablename>'**

```
hbase(main):035:0> scan 'clicks'
ROW                                COLUMN+CELL
 192.10.20.1                       column=hits:Age, timestamp=1511704896582, value=29
 192.10.20.1                       column=hits:Name, timestamp=1511704896477, value=Amit
 192.10.20.1                       column=hits:Sports, timestamp=1511704896661, value=FootBall
 192.20.20.2                       column=hits:Age, timestamp=1511704896736, value=26
 192.20.20.2                       column=hits:Name, timestamp=1511704896700, value=Hardik
 192.20.20.2                       column=hits:Sports, timestamp=1511704899437, value=Cricket
2 row(s) in 0.0330 seconds

hbase(main):036:0>
```

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.
   a. Inserted and updated values in to the clicks table.

```
hbase(main):038:0> put 'clicks','192.30.20.3','hits:Name','Sumona'
0 row(s) in 0.0270 seconds

hbase(main):039:0> put 'clicks','192.30.20.3','hits:Age','24'
0 row(s) in 0.0130 seconds

hbase(main):040:0> put 'clicks','192.30.20.3','hits:Sports','Swimming'
0 row(s) in 0.0030 seconds

hbase(main):041:0>
hbase(main):042:0* put 'clicks','192.40.20.4','hits:Name','Abu'
0 row(s) in 0.0040 seconds

hbase(main):043:0> put 'clicks','192.40.20.4','hits:Age','30'
0 row(s) in 0.0030 seconds

hbase(main):044:0> put 'clicks','192.40.20.4','hits:Sports','Base Ball'
0 row(s) in 0.0040 seconds

hbase(main):045:0>
hbase(main):046:0* put 'clicks','192.50.20.1','hits:Name','Mentor'
0 row(s) in 0.0040 seconds

hbase(main):047:0> put 'clicks','192.50.20.2','hits:Name','Student'
0 row(s) in 0.0030 seconds

hbase(main):048:0> put 'clicks','192.50.20.5','hits:Sports','Skating'
0 row(s) in 0.0200 seconds

hbase(main):049:0>
```

UPDATED RECORDS

b. After scanning the updated table, we can see the older values and the new values.

```
hbase(main):049:0> scan 'clicks', VERSION=>20
ROW                              COLUMN+CELL
 192.10.20.1                     column=hits:Age, timestamp=1511704896582, value=29
 192.10.20.1                     column=hits:Name, timestamp=1511704896477, value=Amit
 192.10.20.1                     column=hits:Sports, timestamp=1511704896661, value=FootBall
 192.20.20.2                     column=hits:Age, timestamp=1511704896736, value=26
 192.20.20.2                     column=hits:Name, timestamp=1511704896700, value=Hardik
 192.20.20.2                     column=hits:Sports, timestamp=1511704899437, value=Cricket
 192.30.20.3                     column=hits:Age, timestamp=1511705325454, value=24
 192.30.20.3                     column=hits:Name, timestamp=1511705325403, value=Sumona
 192.30.20.3                     column=hits:Sports, timestamp=1511705325486, value=Swimming
 192.40.20.4                     column=hits:Age, timestamp=1511705325548, value=30
 192.40.20.4                     column=hits:Name, timestamp=1511705325526, value=Abu
 192.40.20.4                     column=hits:Sports, timestamp=1511705325608, value=Base Ball
 192.50.20.1                     column=hits:Name, timestamp=1511705325661, value=Mentor
 192.50.20.2                     column=hits:Name, timestamp=1511705325689, value=Student
 192.50.20.5                     column=hits:Sports, timestamp=1511705328893, value=Skating
7 row(s) in 0.0980 seconds
```

OLD RECORDS   **UPDATED RECORDS**