

STATEMENTS TO CREATE HBASE THRESHOLD TABLE

```
create
'threshold_reference_table',{NAME=>'attribute',VERSIONS=>2},{NAME=>'limit',VERSIONS=>4}
,{NAME=>'alert',VERSIONS=>6}

is_enabled 'threshold_reference_table'

describe 'threshold_reference_table'

scan 'threshold_reference_table'

put 'threshold_reference_table','1','attribute:attribute','heartBeat'
put 'threshold_reference_table','1','limit:low_age_limit','0'
put 'threshold_reference_table','1','limit:high_age_limit','40'
put 'threshold_reference_table','1','limit:low_value','0'
put 'threshold_reference_table','1','limit:high_value','69'
put 'threshold_reference_table','1','alert:alert_flag','1'
put 'threshold_reference_table','1','alert:alert_message','Low Heart Rate than Normal'

put 'threshold_reference_table','2','attribute:attribute','heartBeat'
put 'threshold_reference_table','2','limit:low_age_limit','0'
put 'threshold_reference_table','2','limit:high_age_limit','40'
put 'threshold_reference_table','2','limit:low_value','70'
put 'threshold_reference_table','2','limit:high_value','78'
put 'threshold_reference_table','2','alert:alert_flag','0'
put 'threshold_reference_table','2','alert:alert_message','Normal'

put 'threshold_reference_table','3','attribute:attribute','heartBeat'
put 'threshold_reference_table','3','limit:low_age_limit','0'
put 'threshold_reference_table','3','limit:high_age_limit','40'
put 'threshold_reference_table','3','limit:low_value','79'
put 'threshold_reference_table','3','limit:high_value','9999'
put 'threshold_reference_table','3','alert:alert_flag','1'
put 'threshold_reference_table','3','alert:alert_message','Higher Heart Rate than Normal'

put 'threshold_reference_table','4','attribute:attribute','bp'
put 'threshold_reference_table','4','limit:low_age_limit','0'
put 'threshold_reference_table','4','limit:high_age_limit','40'
put 'threshold_reference_table','4','limit:low_value','0'
put 'threshold_reference_table','4','limit:high_value','160'
put 'threshold_reference_table','4','alert:alert_flag','1'
put 'threshold_reference_table','4','alert:alert_message','Low BP than Normal'
```

```
put 'threshold_reference_table','5','attribute:attribute','bp'  
put 'threshold_reference_table','5','limit:low_age_limit','0'  
put 'threshold_reference_table','5','limit:high_age_limit','40'  
put 'threshold_reference_table','5','limit:low_value','161'  
put 'threshold_reference_table','5','limit:high_value','220'  
put 'threshold_reference_table','5','alert:alert_flag','0'  
put 'threshold_reference_table','5','alert:alert_message','Normal'
```

```
put 'threshold_reference_table','6','attribute:attribute','bp'  
put 'threshold_reference_table','6','limit:low_age_limit','0'  
put 'threshold_reference_table','6','limit:high_age_limit','40'  
put 'threshold_reference_table','6','limit:low_value','221'  
put 'threshold_reference_table','6','limit:high_value','9999'  
put 'threshold_reference_table','6','alert:alert_flag','1'  
put 'threshold_reference_table','6','alert:alert_message','Higher BP than Normal'
```

```
put 'threshold_reference_table','7','attribute:attribute','heartBeat'  
put 'threshold_reference_table','7','limit:low_age_limit','41'  
put 'threshold_reference_table','7','limit:high_age_limit','100'  
put 'threshold_reference_table','7','limit:low_value','0'  
put 'threshold_reference_table','7','limit:high_value','65'  
put 'threshold_reference_table','7','alert:alert_flag','1'  
put 'threshold_reference_table','7','alert:alert_message','Low Heart Rate than Normal'
```

```
put 'threshold_reference_table','8','attribute:attribute','heartBeat'  
put 'threshold_reference_table','8','limit:low_age_limit','41'  
put 'threshold_reference_table','8','limit:high_age_limit','100'  
put 'threshold_reference_table','8','limit:low_value','66'  
put 'threshold_reference_table','8','limit:high_value','73'  
put 'threshold_reference_table','8','alert:alert_flag','0'  
put 'threshold_reference_table','8','alert:alert_message','Normal'
```

```
put 'threshold_reference_table','9','attribute:attribute','heartBeat'  
put 'threshold_reference_table','9','limit:low_age_limit','41'  
put 'threshold_reference_table','9','limit:high_age_limit','100'  
put 'threshold_reference_table','9','limit:low_value','74'  
put 'threshold_reference_table','9','limit:high_value','9999'  
put 'threshold_reference_table','9','alert:alert_flag','1'  
put 'threshold_reference_table','9','alert:alert_message','Higher Heart Rate than Normal'
```

```
put 'threshold_reference_table','10','attribute:attribute','bp'  
put 'threshold_reference_table','10','limit:low_age_limit','41'  
put 'threshold_reference_table','10','limit:high_age_limit','100'  
put 'threshold_reference_table','10','limit:low_value','0'
```

```
put 'threshold_reference_table','10','limit:high_value','150'
put 'threshold_reference_table','10','alert:alert_flag','1'
put 'threshold_reference_table','10','alert:alert_message','Low BP than Normal'
```

```
put 'threshold_reference_table','11','attribute:attribute','bp'
put 'threshold_reference_table','11','limit:low_age_limit','41'
put 'threshold_reference_table','11','limit:high_age_limit','100'
put 'threshold_reference_table','11','limit:low_value','151'
put 'threshold_reference_table','11','limit:high_value','180'
put 'threshold_reference_table','11','alert:alert_flag','0'
put 'threshold_reference_table','11','alert:alert_message','Normal'
```

```
put 'threshold_reference_table','12','attribute:attribute','bp'
put 'threshold_reference_table','12','limit:low_age_limit','41'
put 'threshold_reference_table','12','limit:high_age_limit','100'
put 'threshold_reference_table','12','limit:low_value','181'
put 'threshold_reference_table','12','limit:high_value','9999'
put 'threshold_reference_table','12','alert:alert_flag','1'
put 'threshold_reference_table','12','alert:alert_message','Higher BP than Normal'
```

```
root@ip-10-0-0-135:~
hbase(main):001:0>
hbase(main):002:0> create 'threshold_reference_table',{NAME=>'attribute',VERSIONS=>2},{NAME=>'limit',VERSIONS=>4},{NAME=>'alert',VERSIONS=>6}
0 row(s) in 4.5670 seconds

=> Hbase::Table - threshold_reference_table
hbase(main):003:0> is_enabled 'threshold_reference_table'
true
0 row(s) in 0.1000 seconds

hbase(main):004:0> describe 'threshold_reference_table'
Table threshold_reference_table is ENABLED
threshold_reference_table
COLUMN FAMILIES DESCRIPTION
(NAME => 'alert', BLOOMFILTER => 'ROW', VERSIONS => '6', 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')
(NAME => 'attribute', BLOOMFILTER => 'ROW', VERSIONS => '2', 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')
(NAME => 'limit', BLOOMFILTER => 'ROW', VERSIONS => '4', 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')
3 row(s) in 0.0340 seconds
hbase(main):005:0>
```

```

root@ip-10-0-0-135~
hbase(main):093:0> scan 'threshold_reference_table'
ROW COLUMN+CELL
1 column=alert:alert_flag, timestamp=1617368900166, value=1
1 column=alert:alert_message, timestamp=1617368910462, value=Low Heart Rate than Normal
1 column=attribute:attribute, timestamp=1617368738232, value=heartBeat
1 column=limit:high_age_limit, timestamp=1617368873481, value=40
1 column=limit:high_value, timestamp=1617368891099, value=69
1 column=limit:low_age_limit, timestamp=1617368865479, value=0
1 column=limit:low_value, timestamp=161736882118, value=0
10 column=alert:alert_flag, timestamp=1617369469556, value=1
10 column=alert:alert_message, timestamp=1617369488636, value=Low BP than Normal
10 column=attribute:attribute, timestamp=1617369440277, value=bp
10 column=limit:high_age_limit, timestamp=1617369451716, value=100
10 column=limit:high_value, timestamp=1617369463189, value=150
10 column=limit:low_age_limit, timestamp=1617369445959, value=41
10 column=limit:low_value, timestamp=1617369457118, value=0
11 column=alert:alert_flag, timestamp=1617369530575, value=0
11 column=alert:alert_message, timestamp=1617369536356, value=Normal
11 column=attribute:attribute, timestamp=1617369496975, value=bp
11 column=limit:high_age_limit, timestamp=1617369512176, value=100
11 column=limit:high_value, timestamp=1617369524676, value=180
11 column=limit:low_age_limit, timestamp=1617369505815, value=41
11 column=limit:low_value, timestamp=1617369518416, value=151
12 column=alert:alert_flag, timestamp=1617369575236, value=1
12 column=alert:alert_message, timestamp=1617369581276, value=Higher BP than Normal
12 column=attribute:attribute, timestamp=1617369542095, value=bp
12 column=limit:high_age_limit, timestamp=1617369555526, value=100
12 column=limit:high_value, timestamp=1617369568856, value=9999
12 column=limit:low_age_limit, timestamp=1617369549385, value=41
12 column=limit:low_value, timestamp=1617369561735, value=181
2 column=alert:alert_flag, timestamp=1617368987588, value=0
2 column=alert:alert_message, timestamp=1617368994897, value=Normal
2 column=attribute:attribute, timestamp=1617368950419, value=heartBeat
2 column=limit:high_age_limit, timestamp=1617368965789, value=40
2 column=limit:high_value, timestamp=1617368980898, value=78
2 column=limit:low_age_limit, timestamp=1617368958381, value=0
2 column=limit:low_value, timestamp=1617368973118, value=70
3 column=alert:alert_flag, timestamp=1617369043858, value=1
3 column=alert:alert_message, timestamp=1617369055260, value=Higher Heart Rate than Normal
3 column=attribute:attribute, timestamp=1617369008218, value=heartBeat
3 column=limit:high_age_limit, timestamp=1617369023065, value=40
3 column=limit:high_value, timestamp=1617369036777, value=9999
3 column=limit:low_age_limit, timestamp=1617369016639, value=0
3 column=limit:low_value, timestamp=1617369030565, value=79
4 column=alert:alert_flag, timestamp=1617369095417, value=1
4 column=alert:alert_message, timestamp=1617369102406, value=Low BP than Normal
4 column=attribute:attribute, timestamp=1617369061758, value=bp
4 column=limit:high_age_limit, timestamp=1617369075417, value=40
4 column=limit:high_value, timestamp=1617369089497, value=160
4 column=limit:low_age_limit, timestamp=1617369068806, value=0
4 column=limit:low_value, timestamp=1617369081758, value=0
5 column=alert:alert_flag, timestamp=1617369190776, value=0
5 column=alert:alert_message, timestamp=1617369197136, value=Normal
5 column=attribute:attribute, timestamp=1617369153099, value=bp
5 column=limit:high_age_limit, timestamp=1617369170057, value=40
5 column=limit:high_value, timestamp=1617369183497, value=220
5 column=limit:low_age_limit, timestamp=1617369163497, value=0
5 column=limit:low_value, timestamp=1617369176839, value=161
6 column=alert:alert_flag, timestamp=1617369242306, value=1
6 column=alert:alert_message, timestamp=1617369248041, value=Higher BP than Normal
6 column=attribute:attribute, timestamp=1617369207137, value=bp
6 column=limit:high_age_limit, timestamp=1617369222738, value=40
6 column=limit:high_value, timestamp=1617369235976, value=9999
6 column=limit:low_age_limit, timestamp=1617369214606, value=0
6 column=limit:low_value, timestamp=1617369228896, value=221
7 column=alert:alert_flag, timestamp=1617369319498, value=1
7 column=alert:alert_message, timestamp=1617369326775, value=Low Heart Rate than Normal
7 column=attribute:attribute, timestamp=1617369285862, value=heartBeat
7 column=limit:high_age_limit, timestamp=1617369299316, value=100
7 column=limit:high_value, timestamp=1617369312745, value=65
7 column=limit:low_age_limit, timestamp=1617369292876, value=41
7 column=limit:low_value, timestamp=1617369306595, value=0
8 column=alert:alert_flag, timestamp=1617369369395, value=0
8 column=alert:alert_message, timestamp=1617369375955, value=Normal
8 column=attribute:attribute, timestamp=1617369337309, value=heartBeat
8 column=limit:high_age_limit, timestamp=1617369350737, value=100
8 column=limit:high_value, timestamp=1617369362836, value=73
8 column=limit:low_age_limit, timestamp=1617369344016, value=41
8 column=limit:low_value, timestamp=1617369356855, value=66
9 column=alert:alert_flag, timestamp=1617369419515, value=1
9 column=alert:alert_message, timestamp=1617369426017, value=Higher Heart Rate than Normal
9 column=attribute:attribute, timestamp=1617369385455, value=heartBeat
9 column=limit:high_age_limit, timestamp=1617369401015, value=100
9 column=limit:high_value, timestamp=1617369413676, value=9999
9 column=limit:low_age_limit, timestamp=1617369394459, value=41
9 column=limit:low_value, timestamp=1617369407095, value=74
12 row(s) in 0.0920 seconds

```

