

## STATEMENTS TO CREATE HBASE THRESHOLD TABLE

Hbase Table Creation :

```
create 'Threshold_Reference_Table', 'Attribute', 'Limit', 'Alert'
```

## TO SEE THE DETAILS OF TABLES :

```
describe 'Threshold_Reference_Table'
```

## TO INSERT THE DATA IN TO 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'
```

```
hbase(main):002:0> describe 'Threshold_Reference_Table'
Table Threshold_Reference_Table is ENABLED
Threshold_Reference_Table
COLUMN FAMILIES DESCRIPTION
(NAME => 'Alert', VERSIONS => '3', EVICT_BLOCKS_ON_CLOSE => 'false', NEW_VERSION_BEHAVIOR => 'false', KEEP_DELETED_CELLS => 'false', CACHE_DATA_ON_WRITE => 'false', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', MIN_VERSIONS => '0', REPLICATION_SCOPE => '0', BLOOMFILTER => 'NONE', CACHE_INDEX_ON_WRITE => 'false', IN_MEMORY => 'false', CACHE_BLOOMS_ON_WRITE => 'false', PREFETCH_BLOCKS_ON_OPEN => 'false', COMPRESSION => 'NONE', BLOCKCACHE => 'false', BLOCKSIZE => '65536')
(NAME => 'Attribute', VERSIONS => '3', EVICT_BLOCKS_ON_CLOSE => 'false', NEW_VERSION_BEHAVIOR => 'false', KEEP_DELETED_CELLS => 'false', CACHE_DATA_ON_WRITE => 'false', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', MIN_VERSIONS => '0', REPLICATION_SCOPE => '0', BLOOMFILTER => 'NONE', CACHE_INDEX_ON_WRITE => 'false', IN_MEMORY => 'false', CACHE_BLOOMS_ON_WRITE => 'false', PREFETCH_BLOCKS_ON_OPEN => 'false', COMPRESSION => 'NONE', BLOCKCACHE => 'false', BLOCKSIZE => '65536')
(NAME => 'Limit', VERSIONS => '3', EVICT_BLOCKS_ON_CLOSE => 'false', NEW_VERSION_BEHAVIOR => 'false', KEEP_DELETED_CELLS => 'false', CACHE_DATA_ON_WRITE => 'false', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', MIN_VERSIONS => '0', REPLICATION_SCOPE => '0', BLOOMFILTER => 'NONE', CACHE_INDEX_ON_WRITE => 'false', IN_MEMORY => 'false', CACHE_BLOOMS_ON_WRITE => 'false', PREFETCH_BLOCKS_ON_OPEN => 'false', COMPRESSION => 'NONE', BLOCKCACHE => 'false', BLOCKSIZE => '65536')
3 row(s)
QUOTAS
0 row(s)
Took 0.7326 seconds
hbase(main):003:0>
```

```
hbase(main):004:0> scan Threshold_Reference_Table
NameError: uninitialized constant Threshold_Reference_Table

hbase(main):005:0> scan 'Threshold_Reference_Table'
COLUMN+CELL
ROW
1      column=Alert:alert_flag, timestamp=1721707862009, value=1
1      column=Alert:alert_message, timestamp=1721707862009, value=low heart rate than normal
1      column=Attribute:attribute, timestamp=1721707862009, value=heartBeat
1      column=Limit:high_age_limit, timestamp=1721707862009, value=40
1      column=Limit:high_value, timestamp=1721707862009, value=69
1      column=Limit:low_age_limit, timestamp=1721707862009, value=0
1      column=Limit:low_value, timestamp=1721707862009, value=0
10     column=Alert:alert_flag, timestamp=1721707862066, value=1
10     column=Alert:alert_message, timestamp=1721707862066, value=Low BP Than Normal
10     column=Attribute:attribute, timestamp=1721707862066, value=bp
10     column=Limit:high_age_limit, timestamp=1721707862066, value=100
10     column=Limit:high_value, timestamp=1721707862066, value=150
10     column=Limit:low_age_limit, timestamp=1721707862066, value=41
10     column=Limit:low_value, timestamp=1721707862066, value=0
11     column=Alert:alert_flag, timestamp=1721707862070, value=0
11     column=Alert:alert_message, timestamp=1721707862070, value=Normal
11     column=Attribute:attribute, timestamp=1721707862070, value=bp
11     column=Limit:high_age_limit, timestamp=1721707862070, value=100
11     column=Limit:high_value, timestamp=1721707862070, value=180
11     column=Limit:low_age_limit, timestamp=1721707862070, value=41
11     column=Limit:low_value, timestamp=1721707862070, value=151
12     column=Alert:alert_flag, timestamp=1721707862073, value=1
12     column=Alert:alert_message, timestamp=1721707862073, value=Higher BP Than Normal
12     column=Attribute:attribute, timestamp=1721707862073, value=bp
12     column=Limit:high_age_limit, timestamp=1721707862073, value=100
12     column=Limit:high_value, timestamp=1721707862073, value=9999
12     column=Limit:low_age_limit, timestamp=1721707862073, value=41
12     column=Limit:low_value, timestamp=1721707862073, value=181
2      column=Alert:alert_flag, timestamp=1721707862031, value=0
2      column=Alert:alert_message, timestamp=1721707862031, value=Normal
2      column=Attribute:attribute, timestamp=1721707862031, value=heartBeat
2      column=Limit:high_age_limit, timestamp=1721707862031, value=40
2      column=Limit:high_value, timestamp=1721707862031, value=78
2      column=Limit:low_age_limit, timestamp=1721707862031, value=0
2      column=Limit:low_value, timestamp=1721707862031, value=70
3      column=Alert:alert_flag, timestamp=1721707862036, value=1
3      column=Alert:alert_message, timestamp=1721707862036, value=Higher Heart Rate Than Normal
3      column=Attribute:attribute, timestamp=1721707862036, value=heartBeat
3      column=Limit:high_age_limit, timestamp=1721707862036, value=40
3      column=Limit:high_value, timestamp=1721707862036, value=9999
3      column=Limit:low_age_limit, timestamp=1721707862036, value=0
```