**STATEMENTS TO CREATE EXTERNAL HIVE TABLE**

```
CREATE EXTERNAL TABLE IF NOT EXISTS threshold_ref_hive(
   ref_id INT,
   attribute VARCHAR(20),
   low_age_limit INT,
   high_age_limit INT,
   low_range_value INT,
   high_range_value INT,
   alert_flag INT,
   alert_message VARCHAR(255))
STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'
WITH SERDEPROPERTIES (
   "hbase.columns.mapping" = ":key,
   attribute:attribute,
   limit:low_age_limit,
   limit:high_age_limit,
   limit:low_range_value,
   limit:high_range_value,
   alert:alert_flag,
   alert:alert_message")
TBLPROPERTIES ("hbase.table.name" = "threshold_ref_hbase");
```

hadoop@ip-172-31-81-61:~

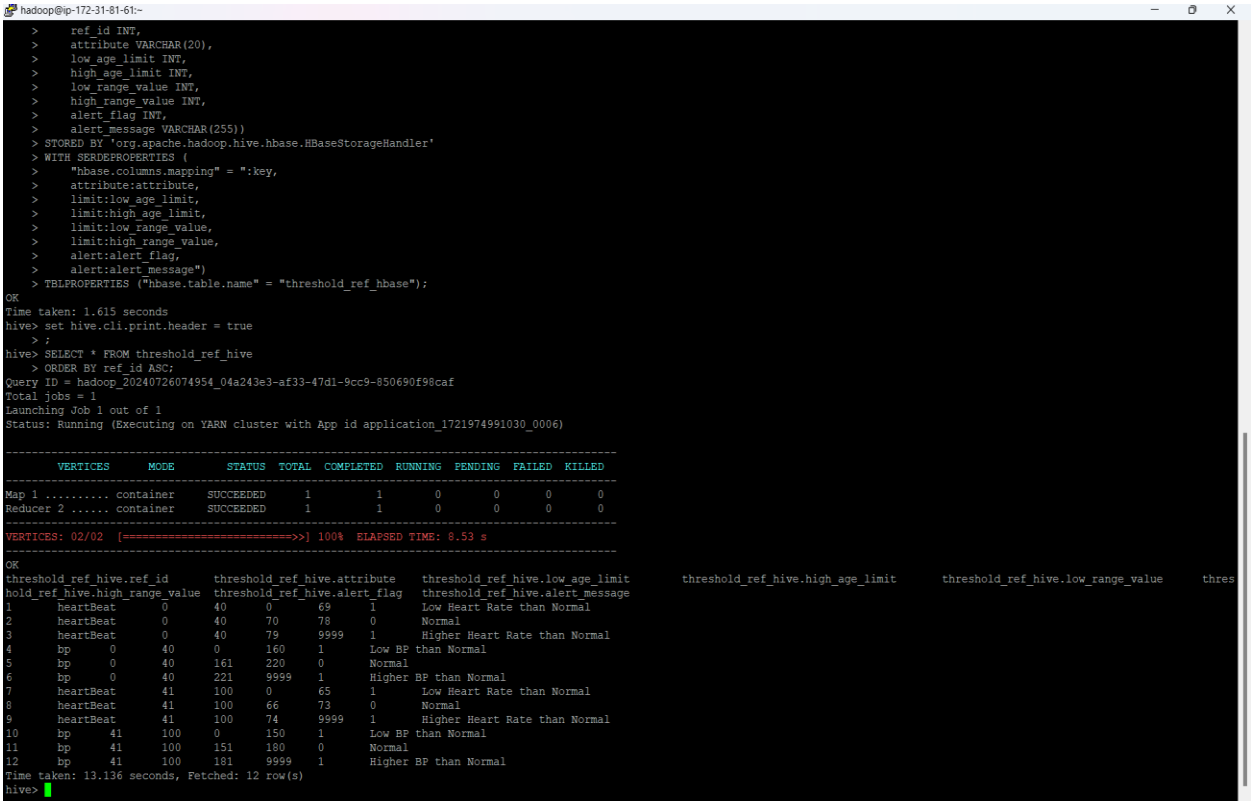
```
[hadoop@ip-172-31-81-61 ~]$ hive
Hive Session ID = 5c12e684-32c8-4638-9c84-72f3f1724dfb

Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j2.properties Async: true
hive> show tables;
OK
Time taken: 0.964 seconds
hive> CREATE EXTERNAL TABLE IF NOT EXISTS threshold_ref_hive(
    >     ref_id INT,
    >     attribute VARCHAR(20),
    >     low_age_limit INT,
    >     high_age_limit INT,
    >     low_range_value INT,
    >     high_range_value INT,
    >     alert_flag INT,
    >     alert_message VARCHAR(255))
    > STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'
    > WITH SERDEPROPERTIES (
    >     "hbase.columns.mapping" = ":key,
    >     attribute:attribute,
    >     limit:low_age_limit,
    >     limit:high_age_limit,
    >     limit:low_range_value,
    >     limit:high_range_value,
    >     alert:alert_flag,
    >     alert:alert_message")
    > TBLPROPERTIES ("hbase.table.name" = "threshold_ref_hbase");
OK
Time taken: 1.615 seconds
```

**STATEMENT FOR VIEWING HEADER OF EACH COLUMNS:**

```
set hive.cli.print.header=true;
```

**STATEMENTS TO VIEW THRESHOLD DATA**

```
SELECT * FROM threshold_ref_hive
ORDER BY ref_id ASC;
```



```
hadoop@ip-172-31-81-61:~
    >     ref_id INT,
    >     attribute VARCHAR(20),
    >     low_age_limit INT,
    >     high_age_limit INT,
    >     low_range_value INT,
    >     high_range_value INT,
    >     alert_flag INT,
    >     alert_message VARCHAR(255))
    > STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'
    > WITH SERDEPROPERTIES (
    >     "hbase.columns.mapping" = ":key,
    >     attribute:attribute,
    >     limit:low_age_limit,
    >     limit:high_age_limit,
    >     limit:low_range_value,
    >     limit:high_range_value,
    >     alert:alert_flag,
    >     alert:alert_message")
    > TBLPROPERTIES ("hbase.table.name" = "threshold_ref_hbase");
OK
Time taken: 1.615 seconds
hive> set hive.cli.print.header = true
    > ;
hive> SELECT * FROM threshold_ref_hive
    > ORDER BY ref_id ASC;
Query ID = hadoop_20240726074954_04a243e3-af33-47d1-9cc9-850690f98caf
Total jobs = 1
Launching Job 1 out of 1
Status: Running (Executing on YARN cluster with App id application_1721974991030_0006)

----------------------------------------------------------------------------------------------
        VERTICES      MODE        STATUS  TOTAL  COMPLETED  RUNNING  PENDING  FAILED  KILLED
----------------------------------------------------------------------------------------------
Map 1 .......... container     SUCCEEDED      1          1        0        0       0       0
Reducer 2 ...... container     SUCCEEDED      1          1        0        0       0       0
----------------------------------------------------------------------------------------------
VERTICES: 02/02  [==========================>>] 100%  ELAPSED TIME: 8.53 s
----------------------------------------------------------------------------------------------
OK
threshold_ref_hive.ref_id       threshold_ref_hive.attribute    threshold_ref_hive.low_age_limit        threshold_ref_hive.high_age_limit       threshold_ref_hive.low_range_value      thres
hold_ref_hive.high_range_value  threshold_ref_hive.alert_flag   threshold_ref_hive.alert_message
1       heartBeat       0       40      0       69      1       Low Heart Rate than Normal
2       heartBeat       0       40      70      78      0       Normal
3       heartBeat       0       40      79      9999    1       Higher Heart Rate than Normal
4       bp      0       40      0       160     1       Low BP than Normal
5       bp      0       40      161     220     0       Normal
6       bp      0       40      221     9999    1       Higher BP than Normal
7       heartBeat       41      100     0       65      1       Low Heart Rate than Normal
8       heartBeat       41      100     66      73      0       Normal
9       heartBeat       41      100     74      9999    1       Higher Heart Rate than Normal
10      bp      41      100     0       150     1       Low BP than Normal
11      bp      41      100     151     180     0       Normal
12      bp      41      100     181     9999    1       Higher BP than Normal
Time taken: 13.136 seconds, Fetched: 12 row(s)
hive>
```