```
# Open HBase shell
>> hbase shell
# A) CREATE HBASE TABLE
create 'flight_info', 'details', 'schedule', 'delay'
#B) ADD A ROW TO THE TABLE
put 'flight_info', 'FL002', 'details:name', 'airindia'
put 'flight info', 'FL002', 'details:depart', 'delhi'
put 'flight info', 'FL002', 'details:arrive', 'kolkata'
put 'flight info', 'FL002', 'schedule:dtime', '11:00pm'
put 'flight info', 'FL002', 'schedule:atime', '1:00am'
put 'flight_info', 'FL002', 'delay:depart', '25'
# VIEW ALL ROWS IN THE TABLE
scan 'flight info'
# VIEW COLUMN FAMILIES (TABLE DESCRIPTION)
describe 'flight info'
# ALTER TABLE (ADD A FAMILY)
alter 'flight info', NAME => 'status'
# ALTER TABLE (DELETE A FAMILY)
alter 'flight info', {NAME => 'status', METHOD => 'delete'}
# DROP A TABLE (FIRST DISABLE IT)
disable 'flight info'
drop 'flight info'
-- Open Hive shell
>> hive
-- C) CREATE HIVE EXTERNAL TABLE FOR HBASE TABLE
CREATE EXTERNAL TABLE hive_flight (
 flight id STRING,
 name STRING,
 depart STRING,
 arrive STRING,
 dtime STRING,
 atime STRING,
 delay INT
)
```

```
STORED BY 'org.apache.hadoop.hive.hbase.HBaseStorageHandler'
WITH SERDEPROPERTIES (
 "hbase.columns.mapping" =
":key,details:name,details:depart,details:arrive,schedule:dtime,schedule:atime,delay:depart"
TBLPROPERTIES (
 "hbase.table.name" = "flight_info"
);
-- VIEW TABLE DATA
SELECT * FROM hive_flight;
-- VIEW TABLE COLUMNS
DESCRIBE hive_flight;
-- D) TOTAL DELAY
SELECT SUM(delay) AS total delay FROM hive flight;
-- E) AVERAGE DELAY
SELECT AVG(delay) AS avg_delay FROM hive_flight;
-- F) NOTE: INDEXING NOT SUPPORTED ON HBASE-BACKED HIVE TABLES
-- Instead, use WHERE clause with row key for efficient access
SELECT * FROM hive_flight WHERE flight_id = 'FL002';
```