**Date = bigint, int=int,varchar=string,float=flaot,tinyint=smallint**

**========================================================**

**EXAM HIVE**

**------------------------------------------------------------------------------------------**

**create external table sl(department\_id int,department\_name string)**

**ROW FORMAT DELIMITED FIELDS TERMINATED BY ',' --🡪>> very importent**

**stored as textfile**

**location '/user/cloudera/textdata/departments/';**

**==================================================================**

**Create table**

-----------------------------------------------------------------------------------------------------------------------------------------

CREATE TABLE deck\_of\_cards (

COLOR string,

SUIT string,

PIP string)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE;

LOCATION '/user/hive/warehouse/cards.db/deck\_of\_cards';

LOAD DATA **LOCAL** INPATH '/home/cloudera/demo/data/cards/deckofcards.txt' INTO TABLE deck\_of\_cards;

LOAD DATA INPATH '/user/cloudera/demo/data/cards/deckofcards.txt' INTO TABLE deck\_of\_cards;

============================================================================

**External table**

--------------------------------------------------------------------------------------------------------------------------------------

CREATE EXTERNAL TABLE deck\_of\_cards\_external (

COLOR string,

SUIT string,

PIP string)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE

LOCATION '/user/hive/warehouse/cards.db/deck\_of\_cards';

=============================================================================

**Partitioned table(Manual partition)**

------------------------------------------------------------------------------------------

CREATE TABLE sand (

order\_id int,

order\_date string,

order\_customer\_id int,

order\_status string

)

PARTITIONED BY (month string, date int)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE;

LOCATION '/user/hive/warehouse/cards.db/deck\_of\_cards';

**ADDING MANUAL PARTITION**

alter table orders\_part\_avro add partition (order\_month='2014-01');

LOAD DATA INPATH '/user/cloudera/demo/data/cards/deckofcards.txt' INTO TABLE deck\_of\_cards

Partition (order\_month = “june”,order\_date = 1);

===============================================================================

**Dynamic Partition**

---------------------------------------------------------------------------------------------------------------------

CREATE TABLE sand (

order\_id int,

order\_date string,

order\_customer\_id int,

order\_status string

)

PARTITIONED BY (month string, date int)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE;

LOCATION '/user/hive/warehouse/cards.db/deck\_of\_cards';

**set hive.exec.dynamic.partition.mode=nonstrict;**

**set hive.exec.dynamic.partition.mode=yes;**

**set.hive.enforce.bucketing=true;**

**insert into table sand partition (month,date)**

**select order\_id, order\_date, order\_customer\_id, order\_status,month("sandeep"),date("1") from orders;**

=======================================================================

**APPLYING BUCKETING**

-----------------------------------------------------------------------------------------------------

CREATE TABLE order\_items\_bucket (

order\_item\_id int,

order\_item\_order\_id int,

order\_item\_order\_date string,

order\_item\_product\_id int,

order\_item\_quantity smallint,

order\_item\_subtotal float,

order\_item\_product\_price float

)

CLUSTERED BY (order\_item\_order\_id) INTO 16 BUCKETS

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE;

============================================================================

**ALTER**

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**RENAME PARTITION**

hive> ALTER TABLE employee PARTITION (year=’1203’)

> RENAME TO PARTITION (Yoj=’1203’);

**ADD PARTITION**

hive> ALTER TABLE employee

> ADD PARTITION (year=’2013’)

> location '/2012/part2012';

**DROPIN PARTITIONED**

hive> ALTER TABLE employee DROP [IF EXISTS]

> PARTITION (year=’1203’);

------------------------------------------------------------------------------

**CREATE TABLE page\_view(viewTime INT, userid BIGINT,**

**page\_url STRING, referrer\_url STRING,**

**ip STRING COMMENT 'IP Address of the User')**

**COMMENT 'This is the page view table'**

**PARTITIONED BY(dt STRING, country STRING)**

**STORED AS SEQUENCEFILE;**