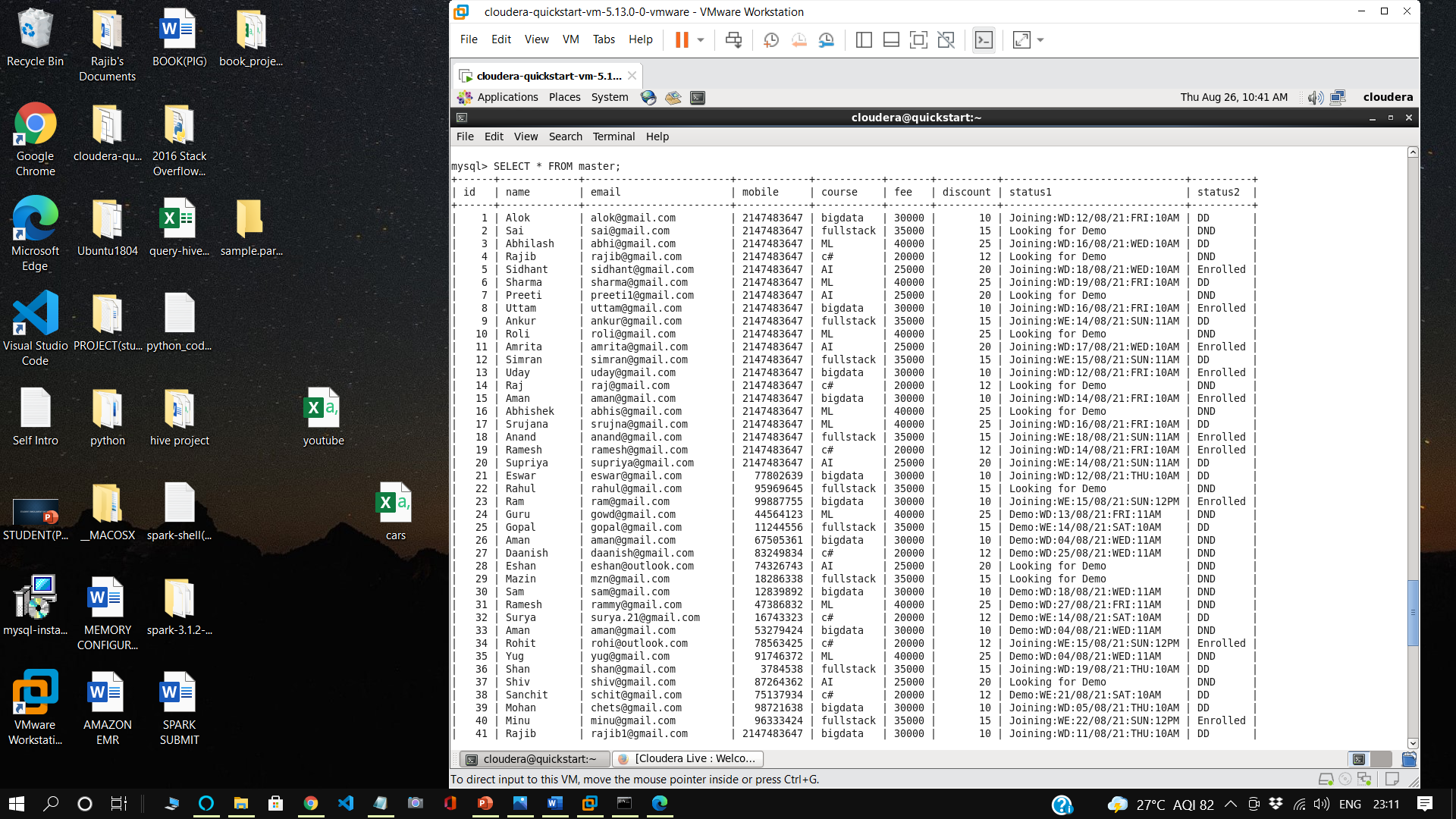
**MYSQL:**

CREATE TABLE master id int, name varchar(255) NOT NULL, email varchar(255) NOT NULL, mobile int, course varchar(255) NOT NULL, fee int, discount int, status1 varchar(255) NOT NULL, status2 varchar(255) NOT NULL);

LOAD DATA LOCAL INFILE '/home/cloudera/Desktop/STUDENT\_DETAILS' INTO TABLE master

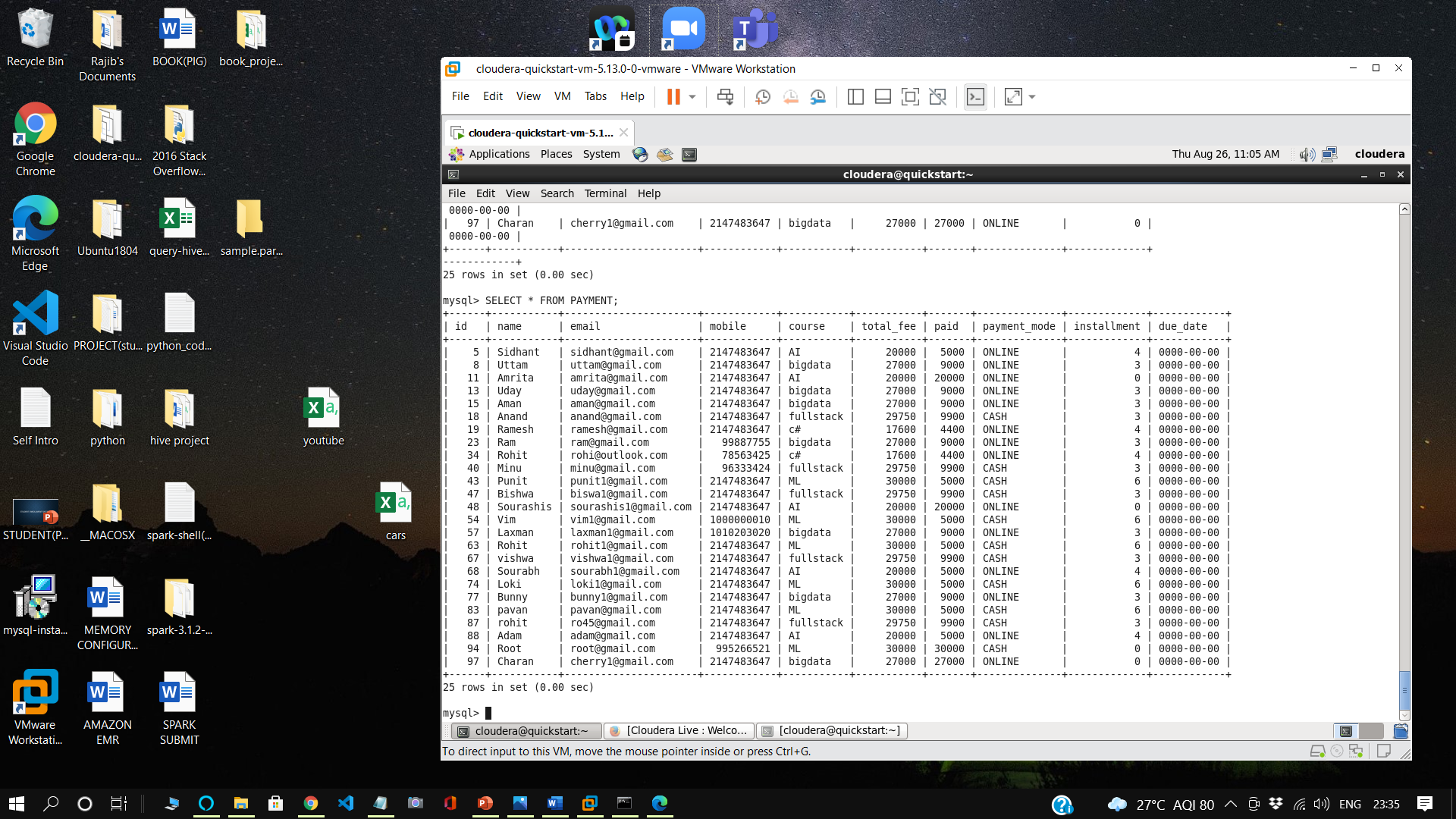
FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n';



CREATE TABLE PAYMENT (id int, name varchar(255) NOT NULL, email varchar(255) NOT NULL, mobile int, course varchar(255) NOT NULL,total\_fee int, paid int, ,payment\_mode varchar(255) NOT NULL, installment int NOT NULL, due\_date DATE);

LOAD DATA LOCAL INFILE '/home/cloudera/Desktop/payment\_table' INTO TABLE master

FIELDS TERMINATED BY ',' LINES TERMINATED BY '\n';



**MOVING DATA FROM MYSQL TO HDFS**

sqoop import --connect jdbc:mysql://192.168.150.132/RAJIB --username root --password cloudera --table master --target-dir=/user/cloudera/master -m 1

**MASTER TABLE:**

COMMANDS TO BE RUN BEFORE CREATING ORC TABLE:

#(must run these commands aftering entering into HIVE and after entering into database i,e use databse\_name;)#

set hive.support.concurrency = true;

set hive.enforce.bucketing = true;

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

set hive.txn.manager = org.apache.hadoop.hive.ql.lockmgr.DbTxnManager;

set hive.compactor.initiator.on = true;

CREATING ORC MASTER TABLE:

create table master(id int, name string, email string, mobile bigint, course string, fee int, discount int, status1 string, status2 string) clustered by (id) into 4 buckets stored as orc tblproperties('transactional'='true');

1. CREATING TEMPORARY TABLE:

create table temp (id int, name string, email string, mobile bigint, course string, fee int, discount int, status1 string, status2 string) row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

1. LOAD DATA INTO TEMP TABLE:

load data local inpath '/home/cloudera/Desktop/demo\_project/Master Table.txt' into table temp;

1. CHECK IF TEMP TABLE HAS DATA:

select \* from temp;

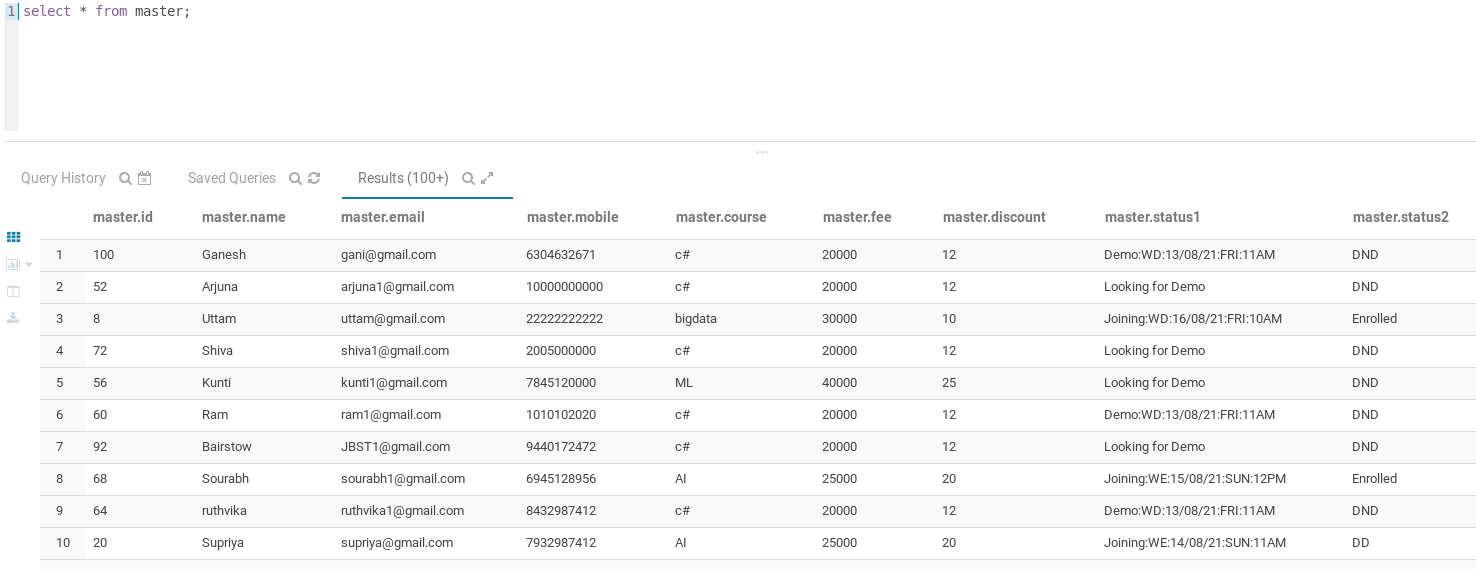
1. TRANSFER FROM TEMP TO MASTER:

insert into table master select \* from temp;

1. CHECK IF MASTER TABLE RECEIVED DATA:

select \* from master;

#(must choose Hive under Query Editor to view master ORC table)#



**JOINING TABLE:**

1. CREATE JOINING TABLE:

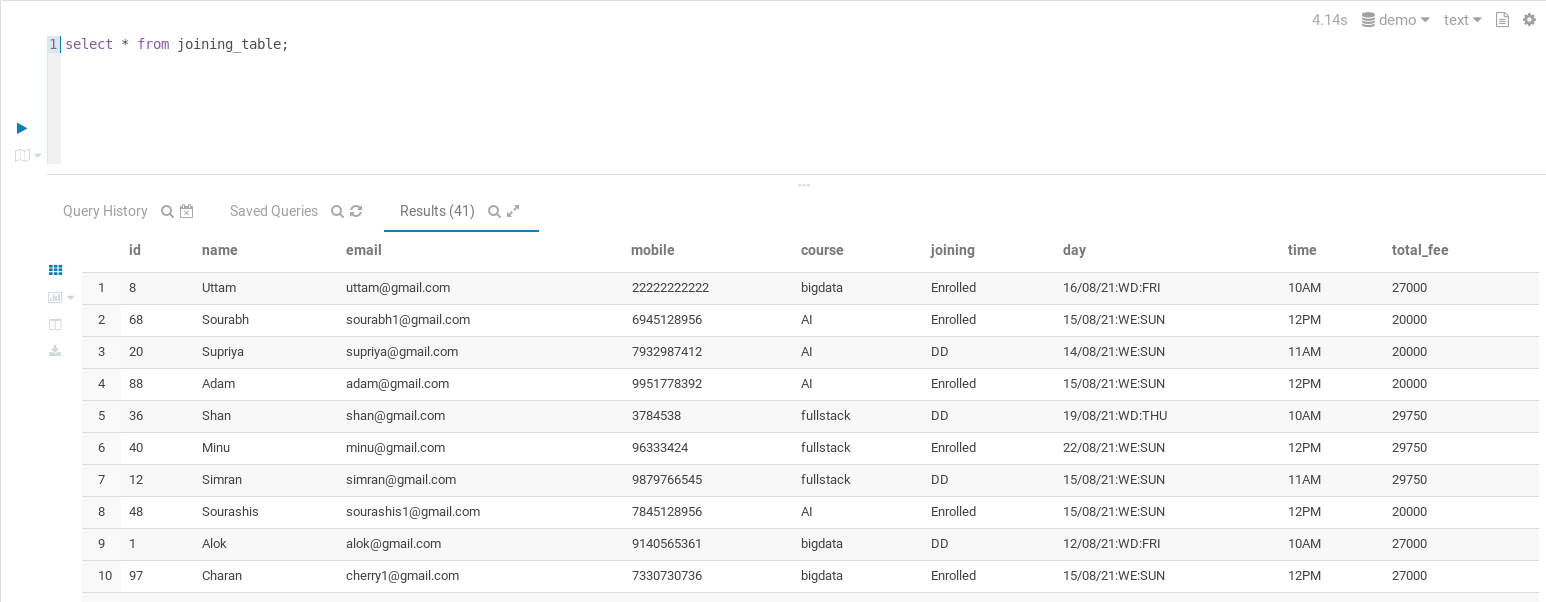
create table joining\_table(id int, name string, email string, mobile bigint, course string, joining string, day string, time string, total\_fee float)row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

1. LOAD JOINING TABLE FROM MASTER TABLE QUERY:

insert overwrite table joining\_table select id, name, email, mobile, course, status2 as joining, concat\_ws(':',substr(status1,12,8),substr(status1,9,2),substr(status1,21,3)) as day, substr(status1,25,4) as time, ((1-(discount/100))\*fee) as total\_fee from master where substr(status1,1,4)=='Join';

1. CHECK IF DATA IN JOINING TABLE IS CORRECT:

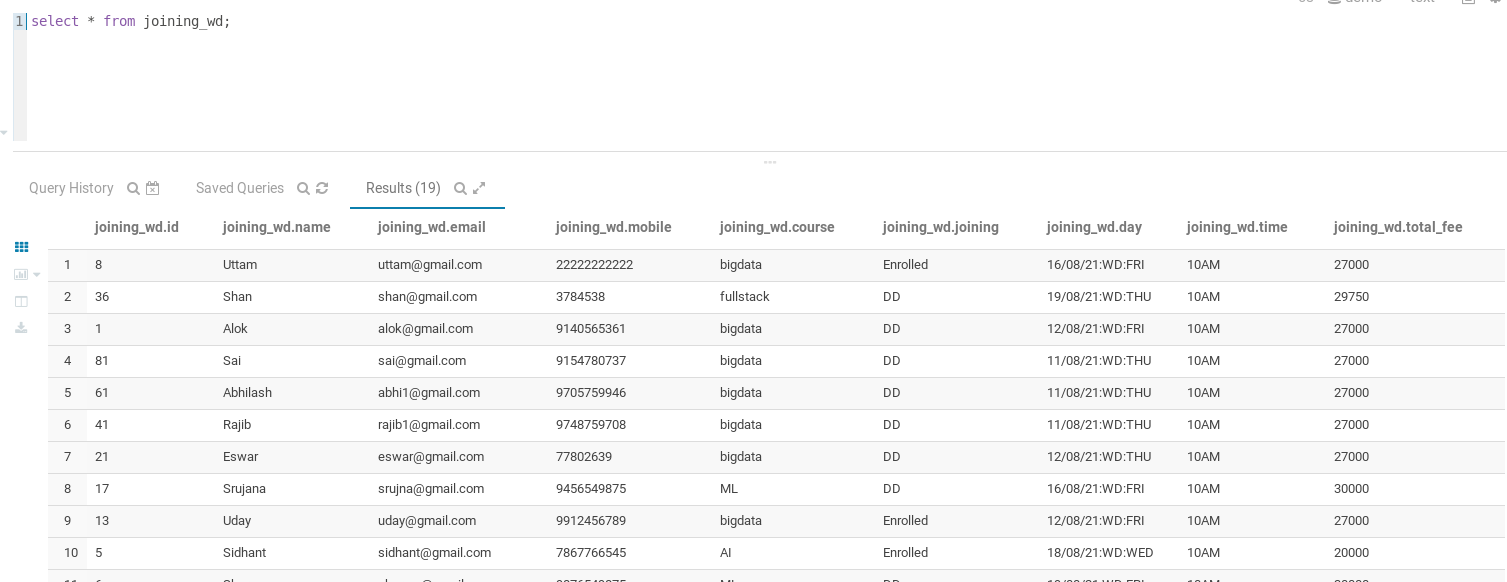
select \* from joining\_table;



Joining Weekday table:

create table joining\_wd(id int, name string, email string, mobile bigint, course string, joining string, day string, time string, total\_fee float)row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

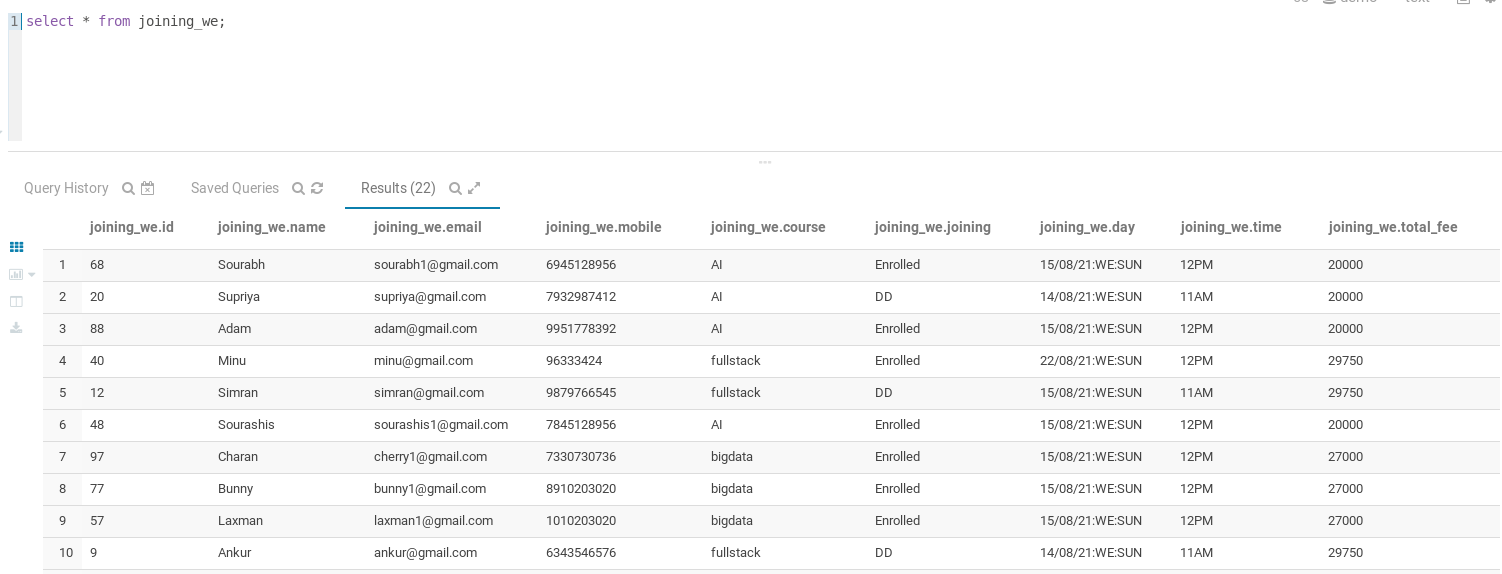
insert overwrite table joining\_wd select id, name, email, mobile, course, status2 as joining, concat\_ws(':',substr(status1,12,8),substr(status1,9,2),substr(status1,21,3)) as day, substr(status1,25,4) as time, ((1-(discount/100))\*fee) as total\_fee from master where substr(status1,1,4)=='Join' and substr(status1,9,2)=='WD';

****

Joining Weekend table:

create table joining\_we(id int, name string, email string, mobile bigint, course string, joining string, day string, time string, total\_fee float)row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

insert overwrite table joining\_we select id, name, email, mobile, course, status2 as joining, concat\_ws(':',substr(status1,12,8),substr(status1,9,2),substr(status1,21,3)) as day, substr(status1,25,4) as time, ((1-(discount/100))\*fee) as total\_fee from master where substr(status1,1,4)=='Join' and substr(status1,9,2)=='WE';

****

**DEMO TABLE:**

1. CREATE DEMO TABLE:

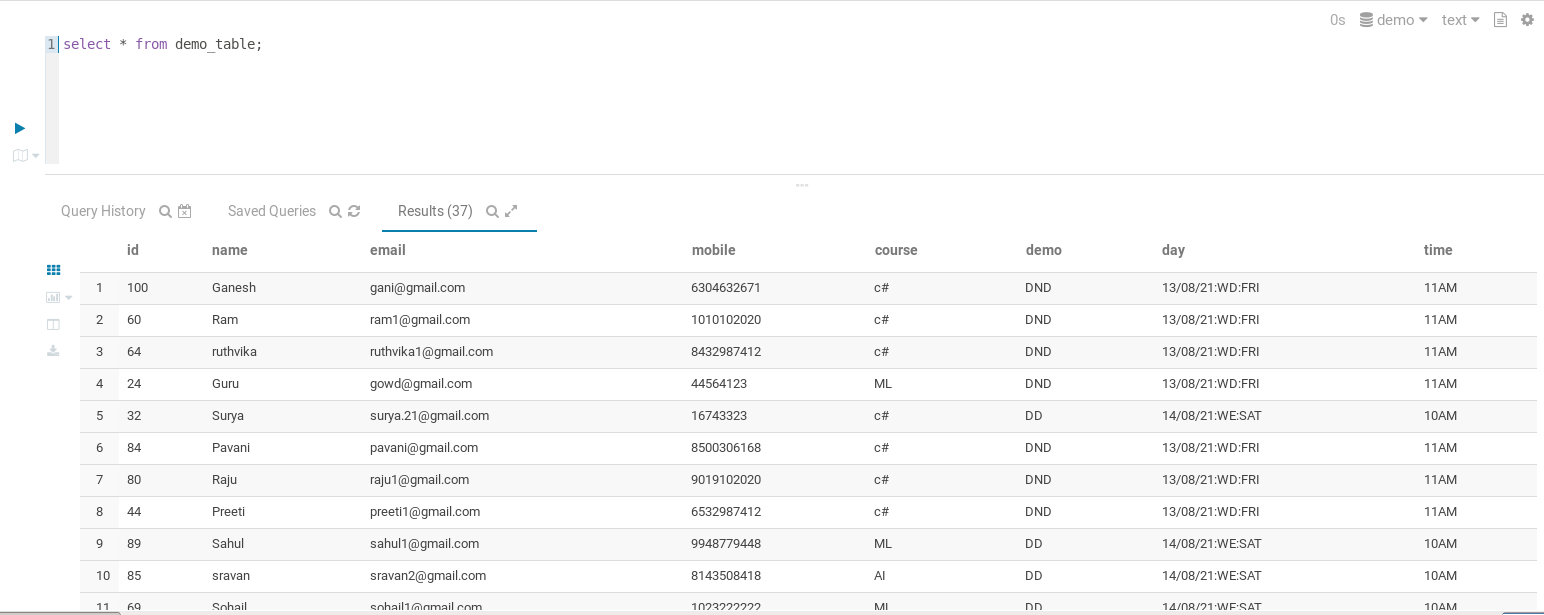
create table demo\_table(id int, name string, email string, mobile bigint, course string, demo string, day string, time string) row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

1. LOAD DEMO TABLE FROM MASTER TABLE QUERY:

insert overwrite table demo\_table select id, name, email, mobile, course, status2 as demo, concat\_ws(':',substr(status1,9,8),substr(status1,6,2),substr(status1,18,3)) as day, substr(status1,22,4) as time from master where substr(status1,1,4)=='Demo';

1. CHECK IF DATA IN DEMO TABLE IS CORRECT:

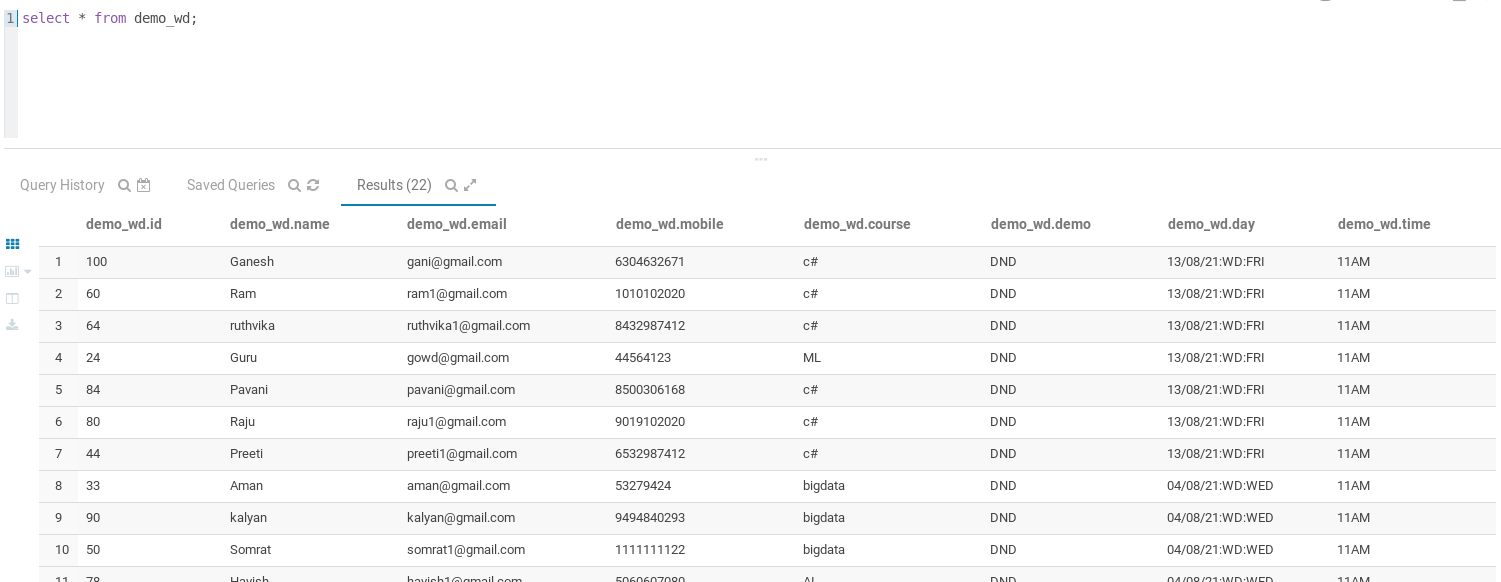
select \* from demo\_table;



Demo Weekday table:

create table demo\_wd(id int, name string, email string, mobile bigint, course string, demo string, day string, time string) row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

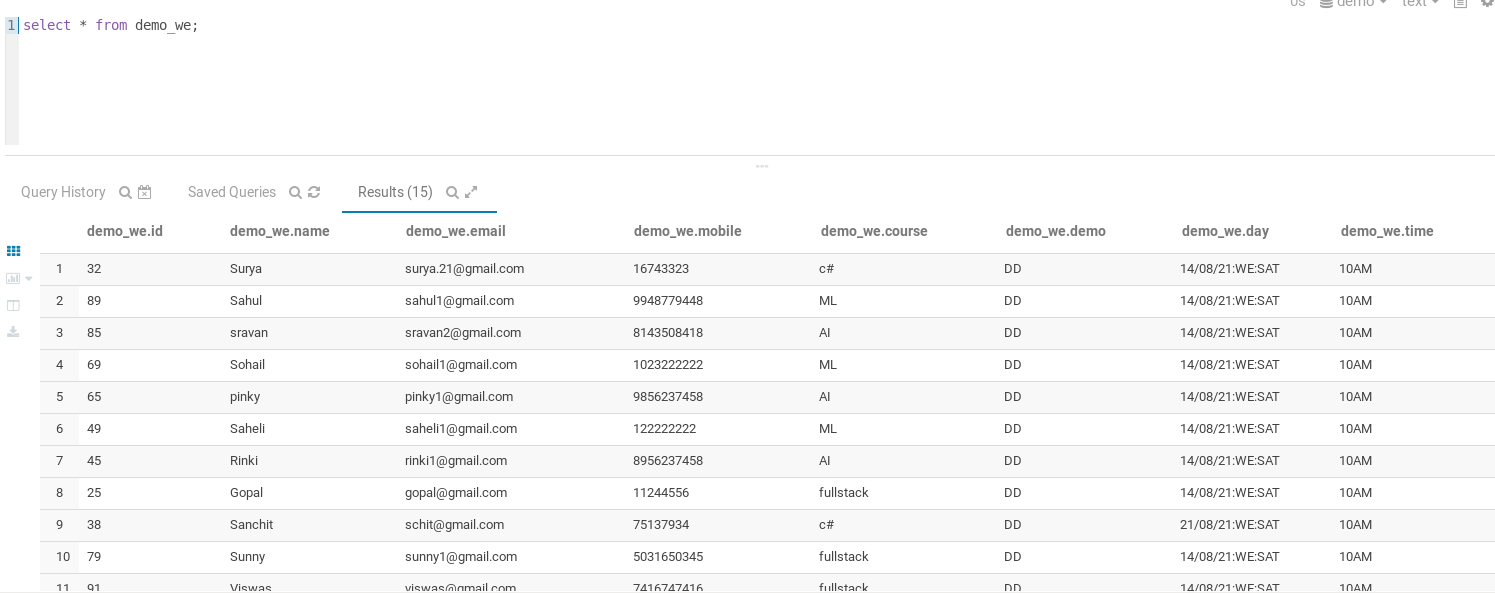
insert overwrite table demo\_wd select id, name, email, mobile, course, status2 as demo, concat\_ws(':',substr(status1,9,8),substr(status1,6,2),substr(status1,18,3)) as day, substr(status1,22,4) as time from master where substr(status1,1,4)=='Demo' and substr(status1,6,2)=='WD';



Demo Weekend table:

create table demo\_we(id int, name string, email string, mobile bigint, course string, demo string, day string, time string) row format delimited fields terminated by ',' lines terminated by '\n' stored as textfile;

insert overwrite table demo\_we select id, name, email, mobile, course, status2 as demo, concat\_ws(':',substr(status1,9,8),substr(status1,6,2),substr(status1,18,3)) as day, substr(status1,22,4) as time from master where substr(status1,1,4)=='Demo' and substr(status1,6,2)=='WE';



**PAYMENT TABLE:**

TEMPORARY PAYMENT TABLE:

create table temp\_payment\_table(id int, name string, email string, mobile bigint, course string,total\_fee float,paid float,payment\_mode String,installment int,due\_date String)

row format delimited fields terminated by ','

lines terminated by '\n' stored as textfile;

LOAD DATA INTO TEMP PAYMENT TABLE:

load data local inpath '/home/cloudera/Desktop/payment\_table' overwrite into table temp\_payment\_table;

PAYMENT ORC TABLE:

create table payment\_table(id int, name string, email string, mobile bigint, course string,total\_fee float,paid float,payment\_mode String,installment int,due\_date String)

clustered by (id) into 2 buckets stored as orc tblproperties('transactional'='true');

INSERT DATA INTO ORC PAYMENT TABLE FROM TEMP TABLE:

insert into table payment\_table select \* from temp\_payment\_table;

