# Hive Project

Commands and their outputs

ACID PROPERTY IN HIVE

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set hive.support.concurrency = true;

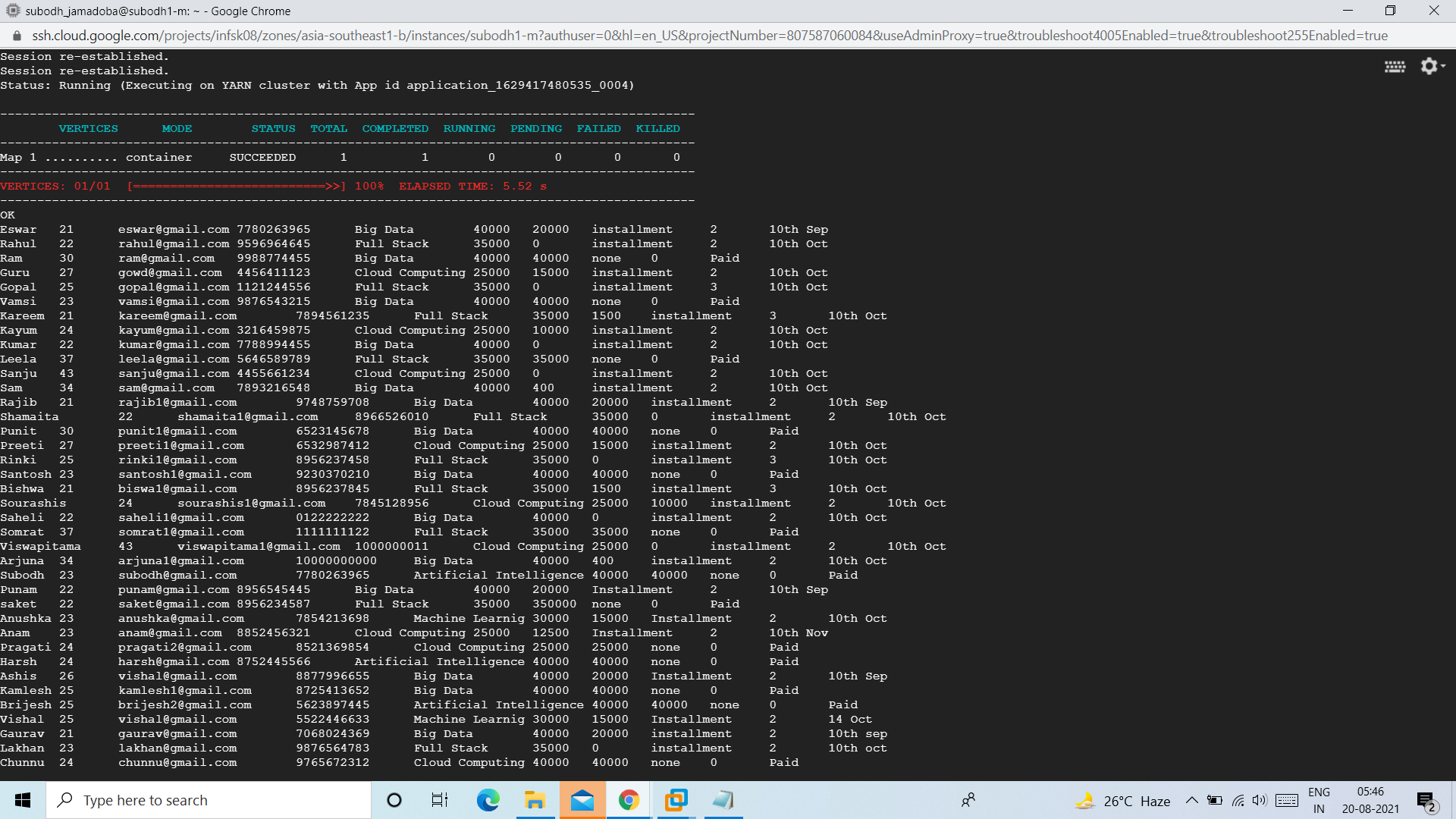
set hive.enforce.bucketing = true;

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

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

set hive.compactor.initiator.on = true;

=> create table enquiry(Name string, Age int,Email string,Phone string,Course string,Fee int,Discount int,Demo string,Status string) clustered by (Course) into 5 buckets stored as orc tblproperties('transactional'='true');

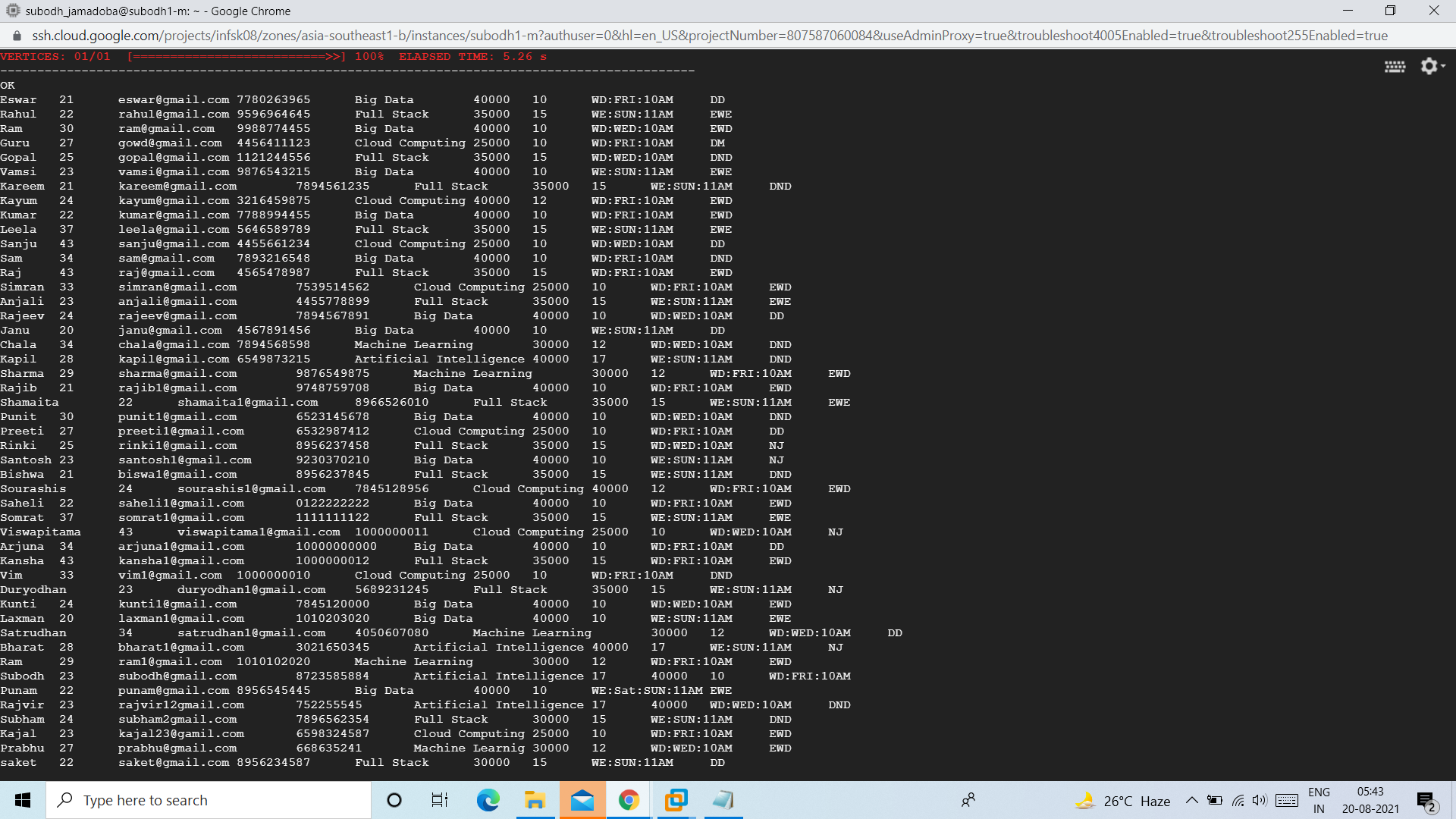


=>create table master(Name string, Age int,Email string,Phone string,Course string,Fee int,Discount int,Demo string,Status string) row format delimited fields terminated by ',' stored as textfile;

load data local inpath 'Master.txt' overwrite into table master;

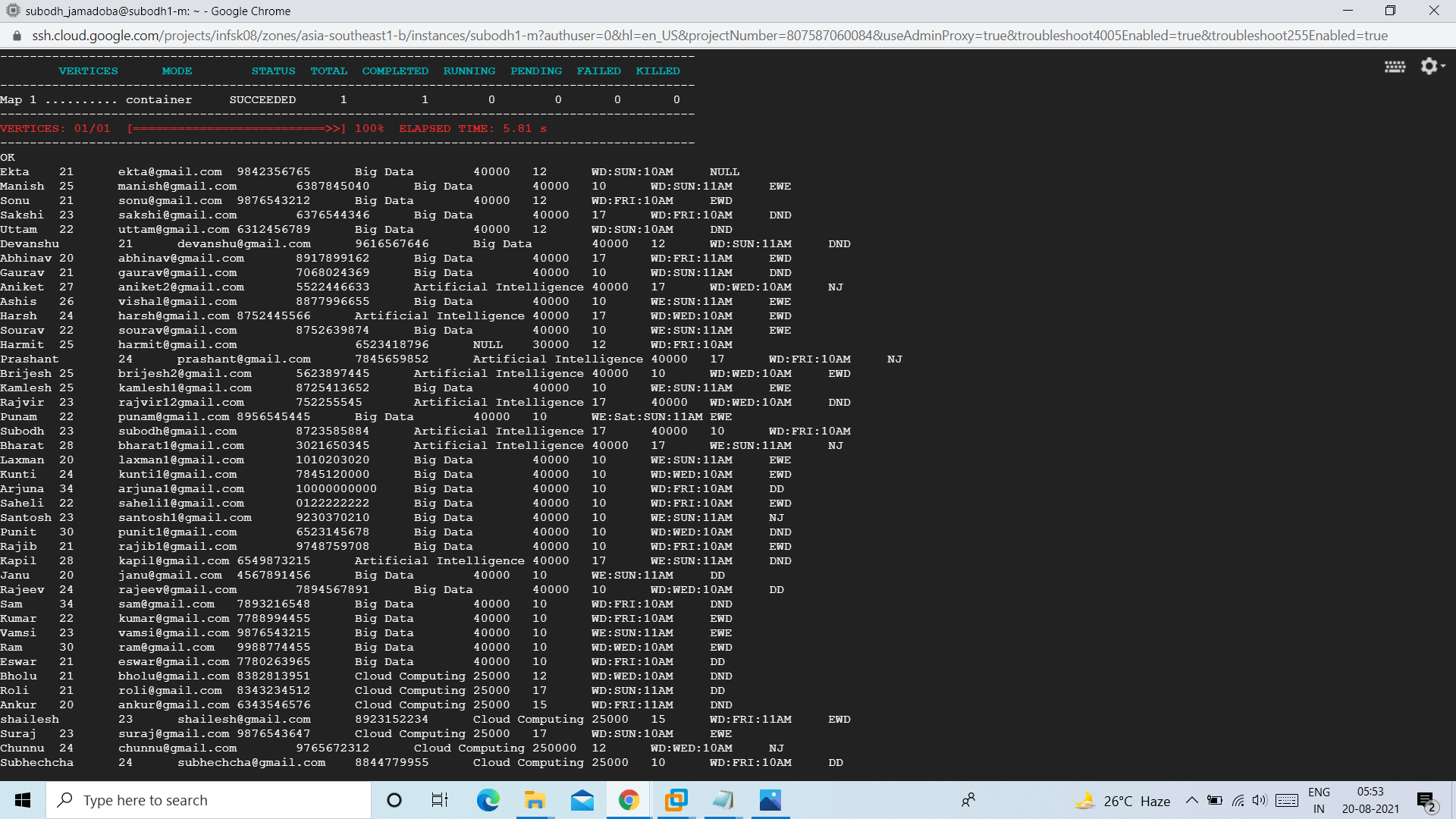
insert into table enquiry select \* from master;

Select \* from enquiry;



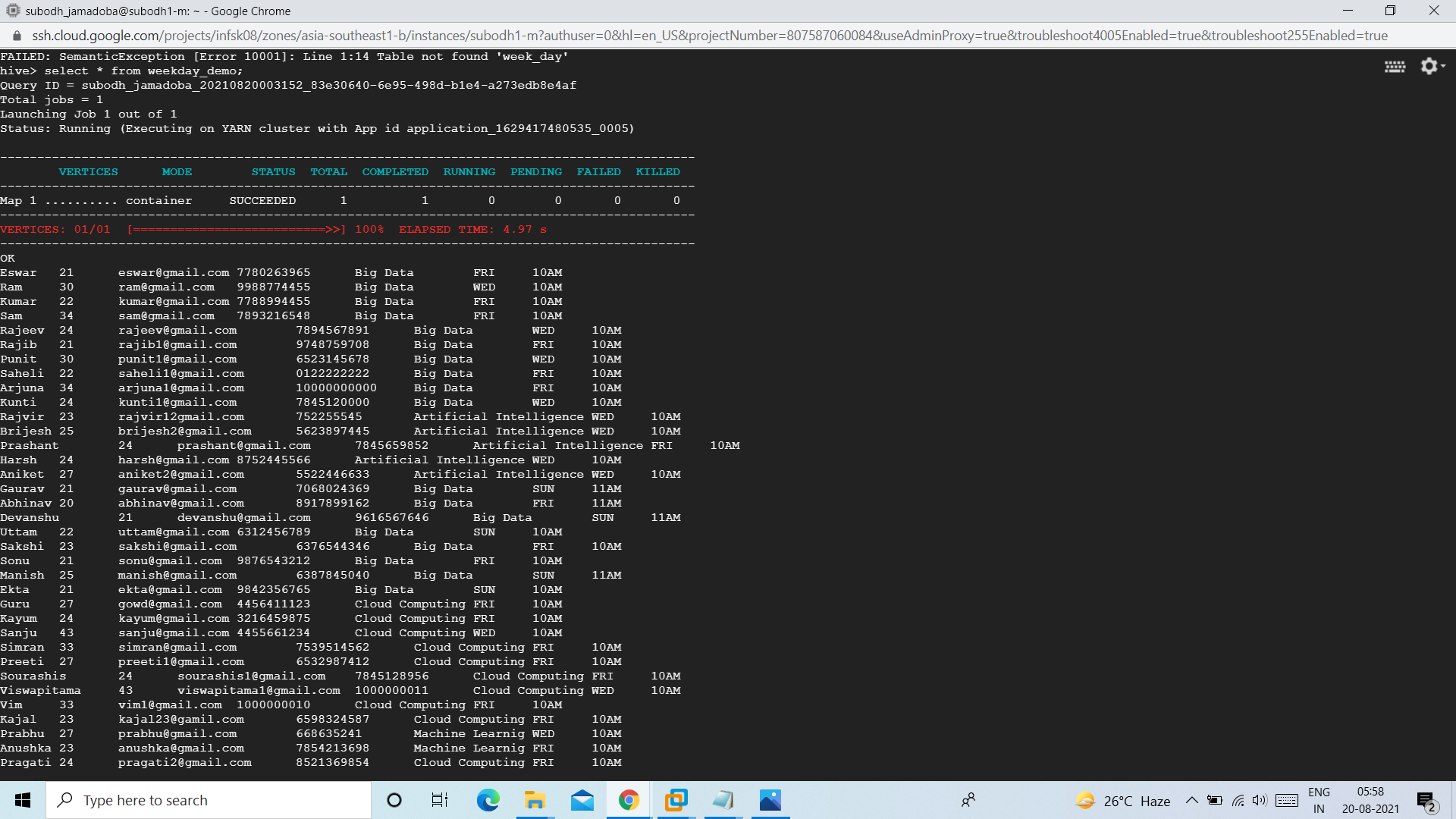
=>create table weekday\_demo(name string,age int,email string,phone string,course string,demo\_day string,demo\_time string) clustered by (course) into 5 buckets stored as orc tblproperties('transactional'='true');

insert overwrite table weekday\_demo select name,age,email,phone,course,substr(demo,4,3) as demo\_day,substr(demo,8,4) as demo\_time from enquiry where substr(demo,1,2)=='WD';

Select \* from weekday\_demo;

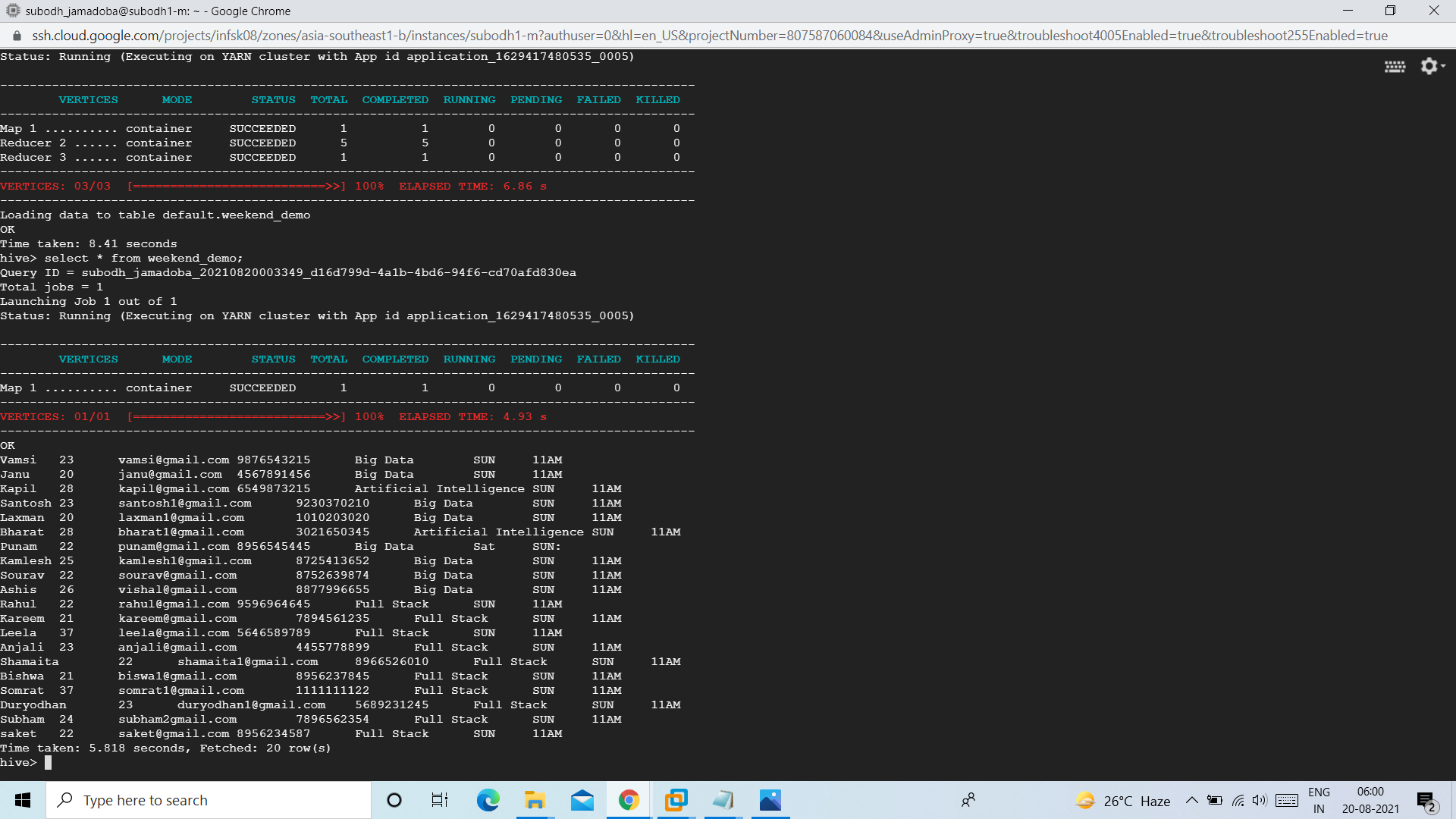
create table weekend\_demo(name string,age int,email string,phone string,course string,demo\_day string,demo\_time string) clustered by (course) into 5 buckets stored as orc tblproperties('transactional'='true');

insert overwrite table weekend\_demo select name,age,email,phone,course,substr(demo,4,3) as demo\_day,substr(demo,8,4) as demo\_time from enquiry where substr(demo,1,2)=='WE';

Select \* from weekend\_demo;

create table demo\_not\_done(name string,age int,email string,phone string,course string,week string,demo\_day string,demo\_time string) clustered by (course) into 5 buckets stored as orc tblproperties('transactional'='true');

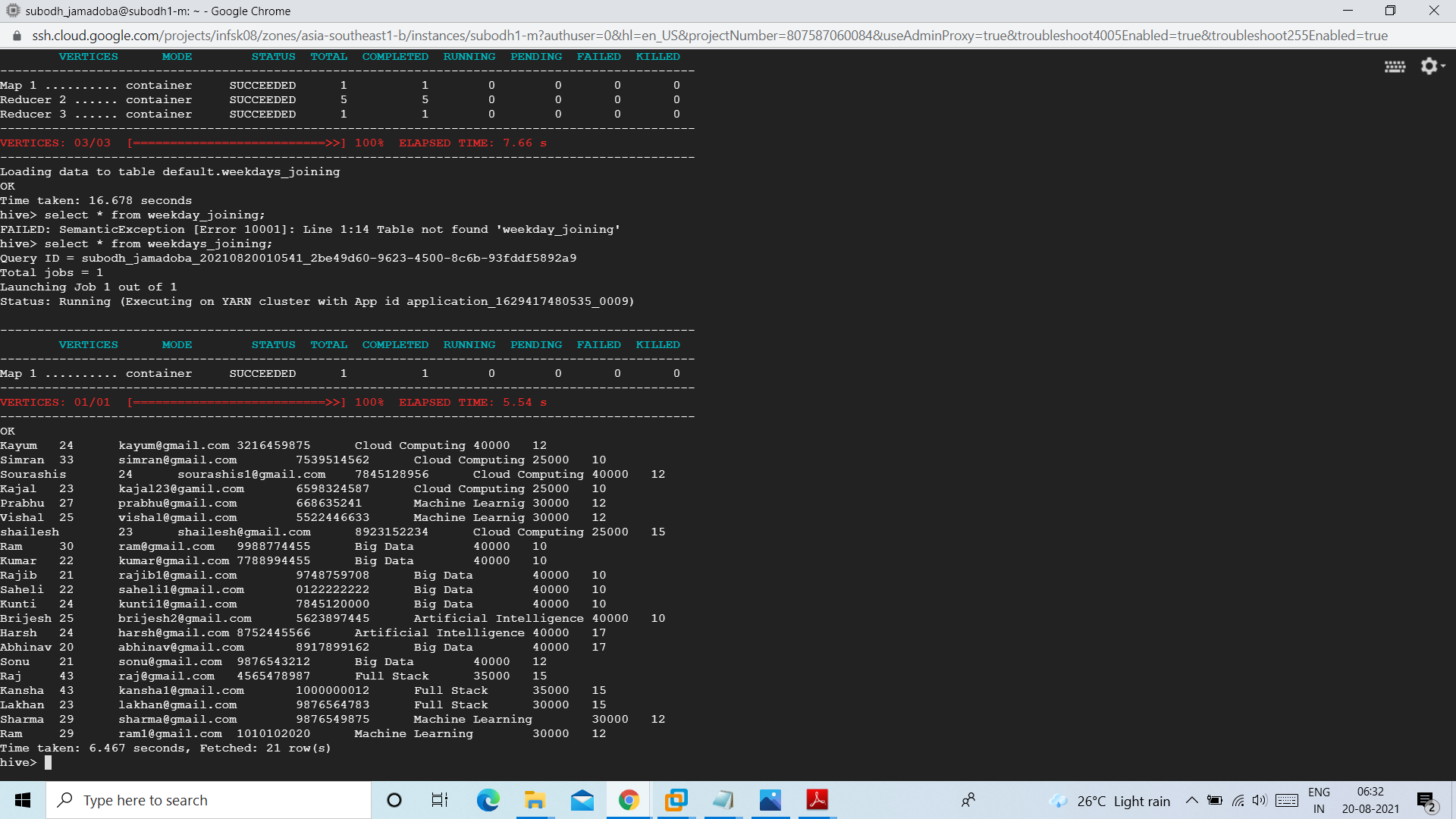
insert overwrite table demo\_not\_done select name,age,email,phone,course,case when substr(demo,1,2)=='WD' then 'WEEKDAYS' when substr(demo,1,2)=='WE' then 'WEEKEND' end,substr(demo,4,3) as demo\_day,substr(demo,8,4) as demo\_time from enquiry where status='DND';

Select \* from demo\_not\_done;

=>create table weekdays\_joining(name string,age int,email string,phone string,course string,fee int,discount int) clustered by(course) into 5 buckets stored as orc tblproperties('transactional'='true');

insert overwrite table weekdays\_joining select name,age,email,phone,course,fee,discount from enquiry where status='EWD';

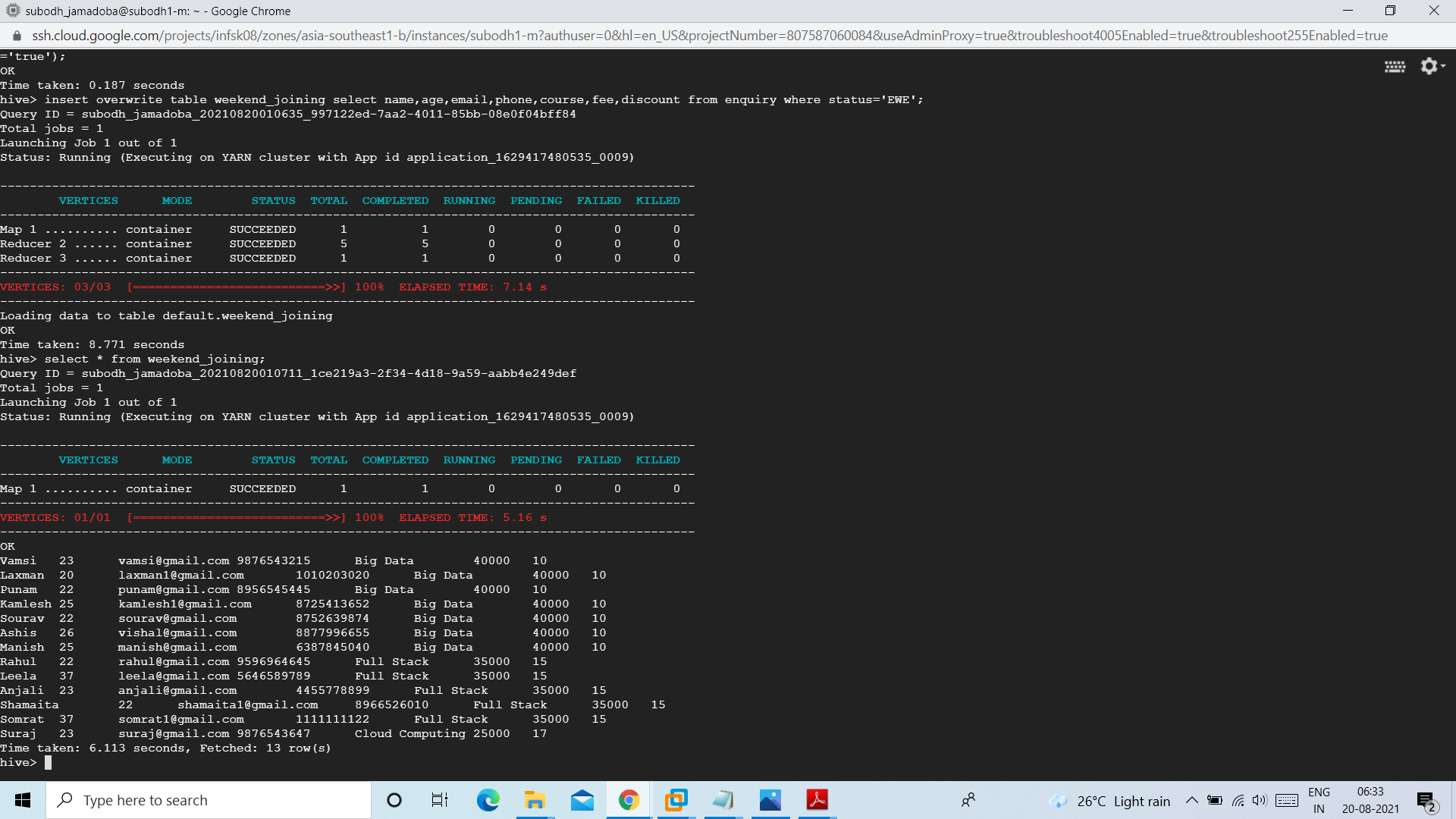
Select \* from weekdays\_joining;



=>create table weekend\_joining(name string,age int,email string,phone string,course string,fee int,discount int) clustered by(course) into 5 buckets stored as orc tblproperties('transactional'='true');

insert overwrite table weekend\_joining select name,age,email,phone,course,fee,discount from enquiry where status='EWE';

Select \* from weekend\_joining;

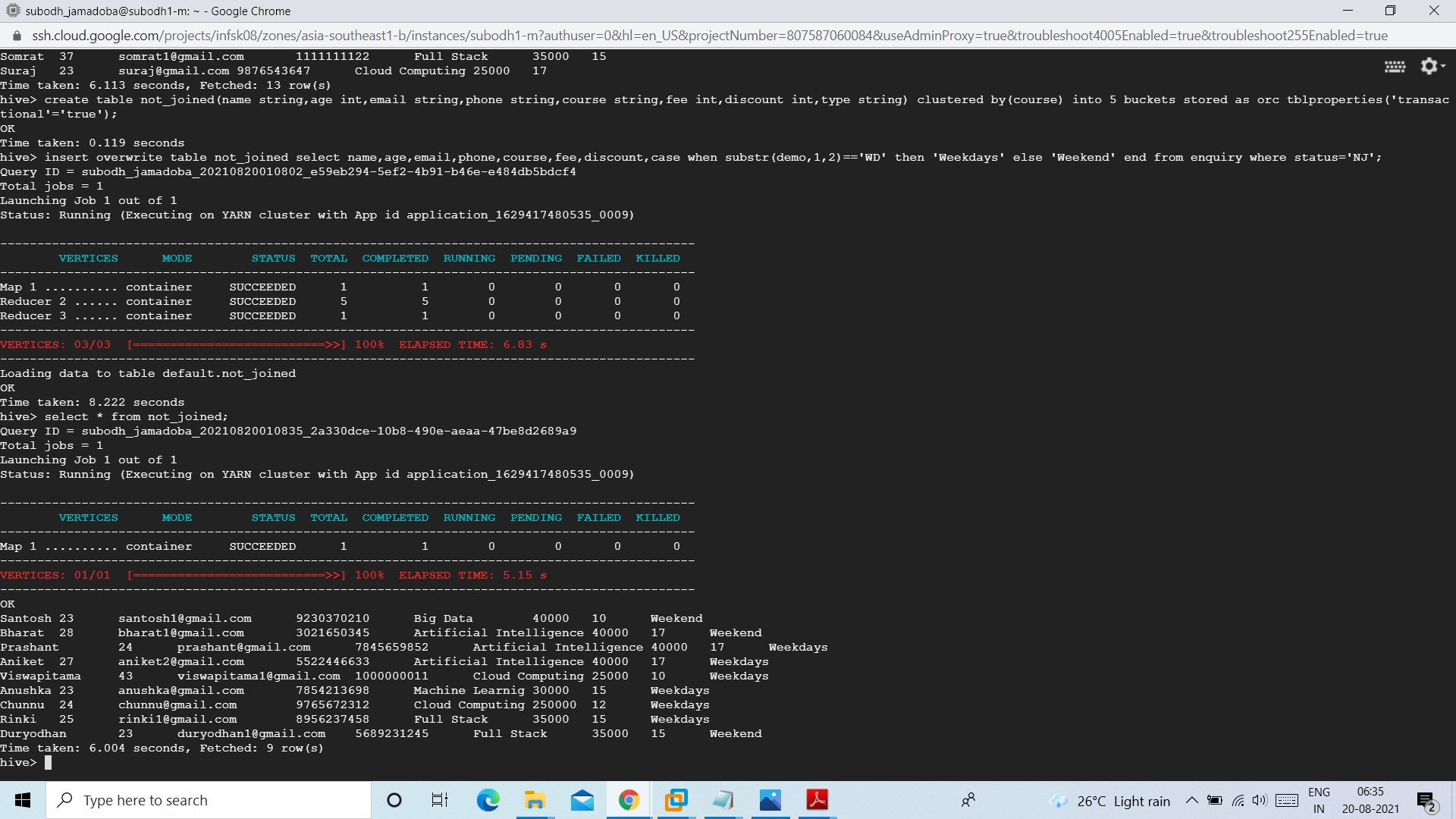


=>

create table not\_joined(name string,age int,email string,phone string,course string,fee int,discount int,type string) clustered by(course) into 5 buckets stored as orc tblproperties('transactional'='true');

insert overwrite table not\_joined select name,age,email,phone,course,fee,discount,case when substr(demo,1,2)=='WD' then 'Weekdays' else 'Weekend' end from enquiry where status='NJ';

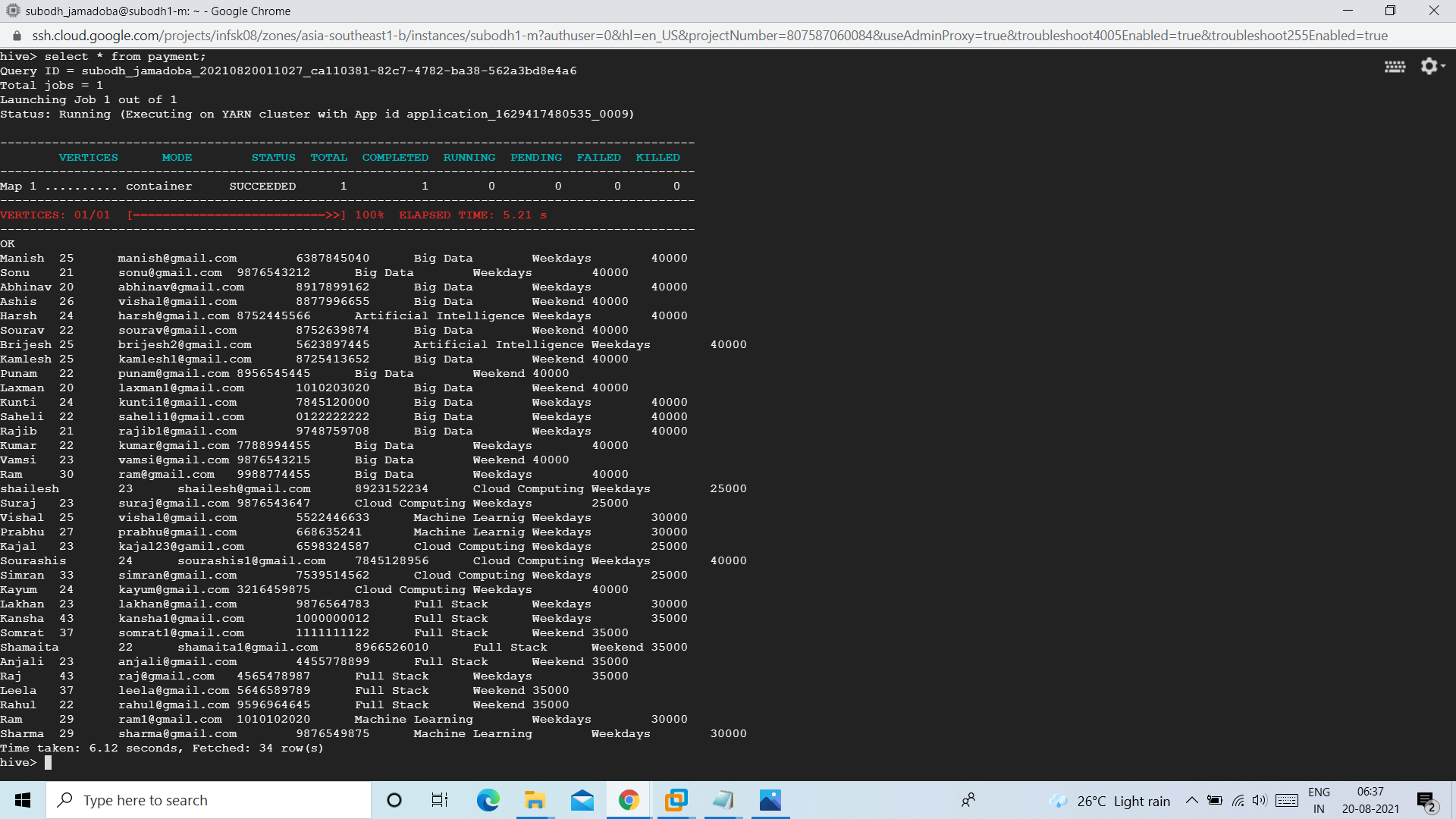
Select \* from not\_joining;



=>create table payment(name string,age int,email string,phone string,course string,type string,fee int) stored as orc tblproperties('transactional'='true');

insert overwrite table payment select name,age,email,phone,course,case when substr(demo,1,2)=='WD' then 'Weekdays' else 'Weekend' end,fee from enquiry where status='EWE' or status='EWD';

Select \* from payment;

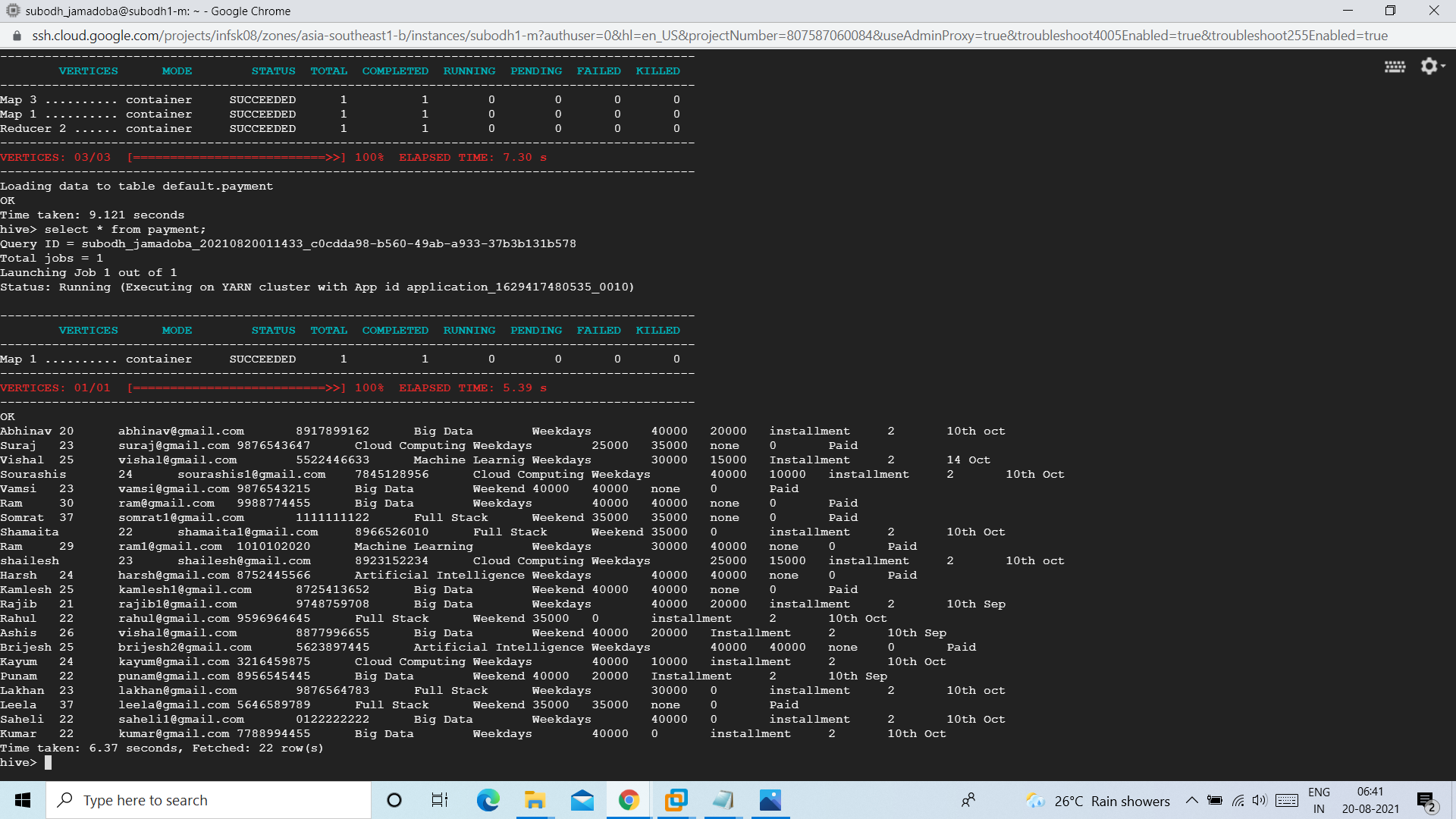


alter table payment add columns(paid int,mode string,no\_of\_install int,due\_date string);

insert overwrite table payment select p.name, p.age, p.email, p.phone, p.course,p.type, p.fee,j.paid,j.mode,j.no\_of\_install,j.due\_date from payment p left join table4 j on p.name=j.name;

insert overwrite table payment select p.name, p.age, p.email, p.phone, p.course,p.type, p.fee,j.paid,j.mode,j.no\_of\_install,j.due\_date from payment p join table4 j on p.name=j.name;

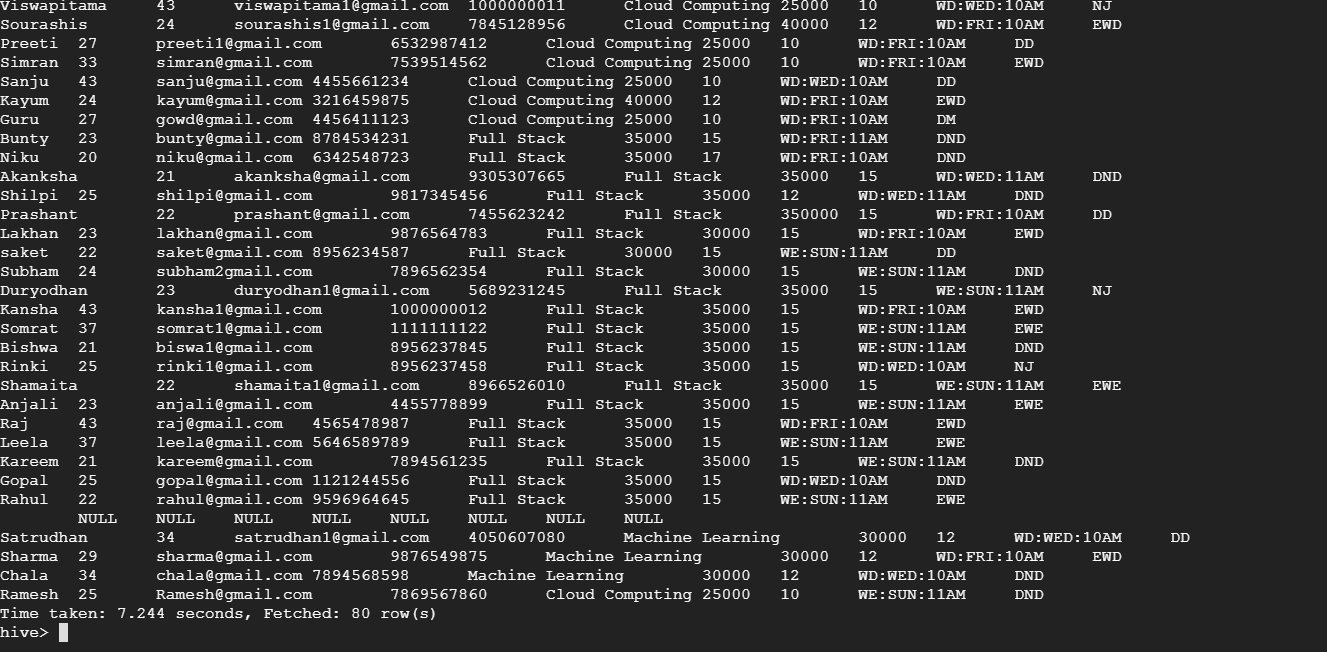
Select \* from payment;



Let’s try to append a record to enquiry table and try to update it :

1. Inserting a new record into enquiry table

insert into table enquiry values("Ramesh",25,"Ramesh@gmail.com",'7869567860','Cloud Computing',25000,10,'WE:SUN:11AM','DND');

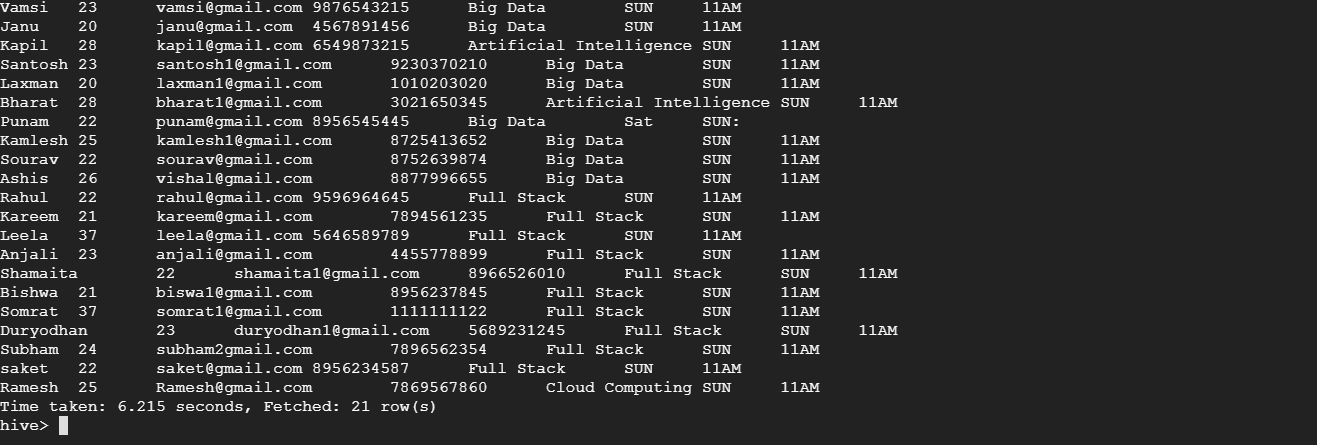


1. Fetching the record into Weekend\_demo table

This can be done in two ways – we can insert the new record to our existing table or we can fetch the entire data who scheduled demo on Weekend from enquiry table

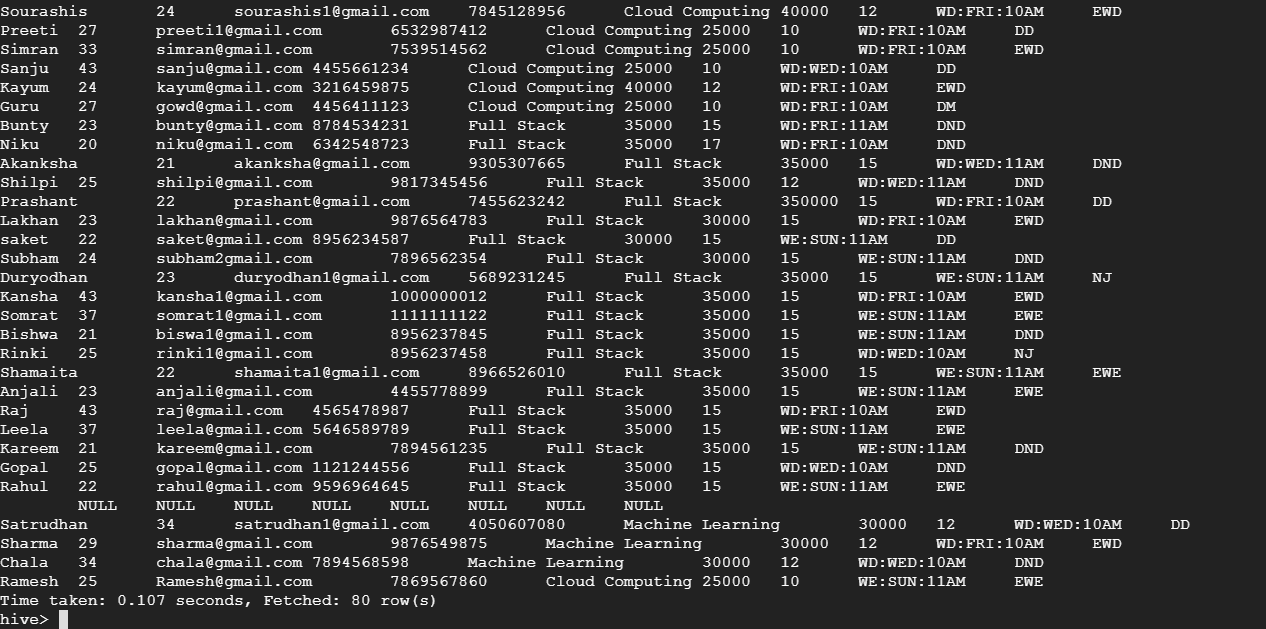
insert into table Weekend\_demo values("Ramesh",25,"Ramesh@gmail.com",

'7869567860','Cloud Computing','SUN','11AM');



1. Now we assume that the new entry has done with demo and enrolled to Weekend course. We have to update the status to enquiry table

update enquiry set status='EWE' where name='Ramesh';



1. As the new entry is done with demo let’s delete the record from Weekend\_demo table

delete from Weekend\_demo where name='Ramesh';

