** Fetch date and temperature from temperature\_data where zip code is greater than**

**300000 and less than 399999.**

hive>                                                
    > select date,temperature from temperature\_data  
    > where zip BETWEEN 300000 AND 399999;  
OK  
1990-10-03 00:00:00    15  
1991-10-01 00:00:00    22  
1990-12-02 00:00:00    9  
1991-10-03 00:00:00    16  
1990-10-01 00:00:00    23  
1991-12-02 00:00:00    10  
1993-10-03 00:00:00    16  
1994-10-01 00:00:00    23  
1991-12-02 00:00:00    10  
1991-10-03 00:00:00    16  
1990-10-01 00:00:00    23  
1991-12-02 00:00:00    10

** Calculate maximum temperature corresponding to every year from temperature\_data**

**table.**

create view prob1 as  
select year(date),temperature from temperature\_data;  
  
create table temp(date string,temp int);  
  
insert into table temp   
select `\_c0`,max(temperature) from prob1  
group by `\_c0`;

hive> select \* from temp;  
OK  
1990    23  
1991    22  
1993    16  
1994    23

** Calculate maximum temperature from temperature\_data table corresponding to those**

**years which have at least 2 entries in the table.**

a)select year(date),temperature from temperature\_data;  
  
b)create table probb(date int,temp int,count int);  
  
c)insert into table probb  
select `\_c0`,max(temperature),count(temperature) from proba  
group by `\_c0`  
having count(temperature)>=2;  
  
d)select max(temp) from probb;  
OUTPUT:  
23

** Create a view on the top of last query, name it temperature\_data\_vw.**

create view  temperature\_data\_vw  as

select \* from proba limit 5;  
  
select \* from temperature\_data\_vw; 1990|9  
1991 22  
1990 15  
1991 11  
1990 10

** Export contents from temperature\_data\_vw to a file in local file system, such that each**

**file is '|' delimited.**

insert overwrite local directory '/home/acadgild/hive' row format delimited fields terminated by '|' select \* from temperature\_data\_vw;  
  
[acadgild@localhost hive]$ cat 000000\_0   
1990|9  
1991|22  
1990|15  
1991|11  
1990|10