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// script to create temp_data table

create table if not exists temp_data

(

date1 struct<tdate:int,tmonth:int,tyear:int>,

zipcode int,

temp int

)

row format delimited

fields terminated by ','

collection items terminated by '-'

lines terminated by '\n' stored as textfile;

// script to load data from text file

Load data local inpath 'data/temp.txt' into table temp_data;

// script for Problems

//1 select date and temp where zip code in range below

select CONCAT(date1.tdate, "-", date1.tmonth, "-", date1.tyear) as tempdate,temp from

temp_data where zipcode > 300000 and zipcode < 399999;

//2 select max temp by year

select max(temp),date1.tyear from temp_data group by date1.tyear;

select temp, date1.tyear,(COUNT(date1.tyear)) AS cyear from temp_data

group by date1.tyear,temp;

// 3.create the view from above query

create view vtempdata as

select temp, date1.tyear as tyear,(COUNT(date1.tyear)) AS cyear from temp_data

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group by date1.tyear,temp;

// 4.select max temp for year where entry are greater than 1
select max(temp),tyear from vtempdata where cyear > 1
group by tyear;

// 5.writing data in local directory in text file
Insert Overwrite Local Directory '/home/acadgild/hiveoutput'
Row Format Delimited
Fields terminated by '|'
Stored as textfile
select max(temp),tyear from vtempdata where cyear > 1
group by tyear;
```