1.

```
hive (custom)> select tempdate,temp from temperature_data where zipcode > 300000 and zipcode < 399999;
OK
10-03-1990      15
10-01-1991      22
12-02-1990      9
10-03-1991      16
10-01-1990      23
12-02-1991      10
10-03-1993      16
10-01-1994      23
12-02-1991      10
10-03-1991      16
10-01-1990      23
12-02-1991      10
Time taken: 0.089 seconds, Fetched: 12 row(s)
```

2.

```
hive (custom)> select year, MAX(t1.temp) AS temperature
             > from (select SUBSTRING(tempdate,7,4)year, temp from temperature_data)t1
             > group by year;
```

```
Total MapReduce
OK
1990    23
1991    22
1993    16
1994    23
```

3

```
hive (custom)> select year, MAX(t1.temp) AS temperature
             > from (select SUBSTRING(temp_date,7,4)year from temperature_data)t1
             > group by year
             > having count(t1.year)>2;
```

```
Total MapReduce CPU Time Spent: 0 msec
OK
1990    23
1991    22
```

4

```
hive (custom)> create view temperature_data_vw AS
             > select  year, MAX(t1.temp) AS temperature
             > from (select SUBSTRING(tempdate,7,4)year, temp from temperature_data)t1
             > group by year;
OK
Time taken: 0.309 seconds
```

```
hive (custom)> INSERT OVERWRITE LOCAL DIRECTORY '/home/acadgild/hive_op'
             > ROW FORMAT DELIMITED
             > FIELDS TERMINATED BY '|'
             > select * from temperature_data_vw;
```

```
[acadgild@localhost ~]$ cd hive_op
[acadgild@localhost hive_op]$ ls
000000_0
[acadgild@localhost hive_op]$ cat 000000_0
1990|23
1991|22
1993|16
1994|23
[acadgild@localhost hive_op]$ pwd
/home/acadgild/hive_op
[acadgild@localhost hive_op]$
```