**Problem Statement 6.2.1**

=================================================================

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

300000 and less than 399999.

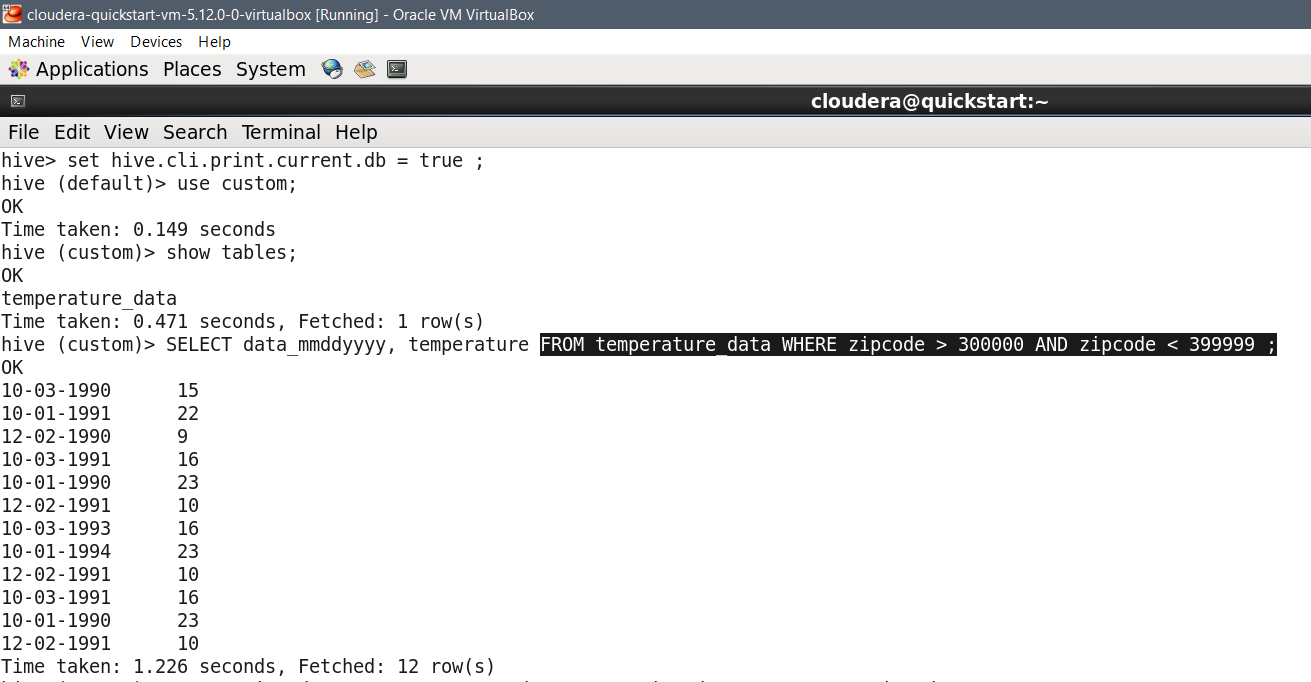
Output:

**Hive Input Command:**

SELECT data\_mmddyyyy, temperature FROM temperature\_data WHERE zipcode > 300000 AND zipcode < 399999

;

**Output 6.2.1:**



=================================================================

**Problem Statement 6.2.2**

=================================================================

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

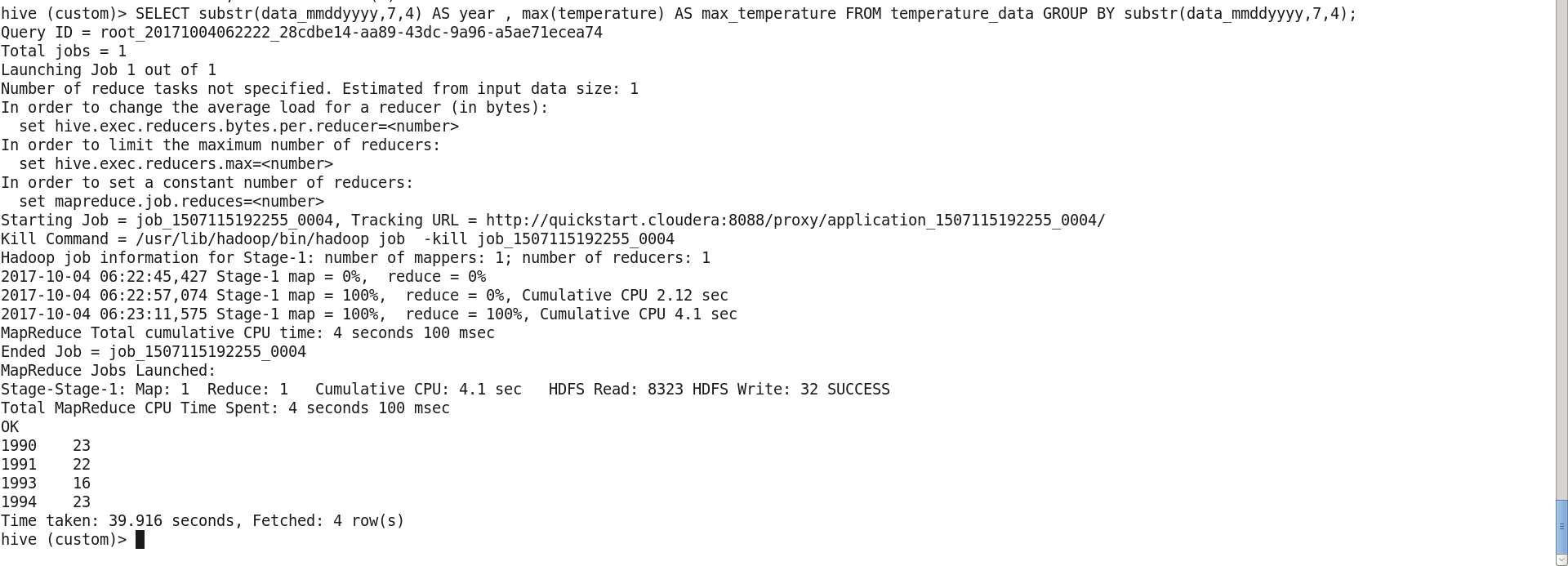
table.

**HIVE INPUT COMMAND:**

SELECT substr(data\_mmddyyyy,7,4) AS year , max(temperature) AS max\_temperature FROM temperature\_data GROUP BY substr(data\_mmddyyyy,7,4)

;

**Output 6.2.2:**



=================================================================

**Problem Statement 6.2.3**

=================================================================

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

years which have at least 2 entries in the table.

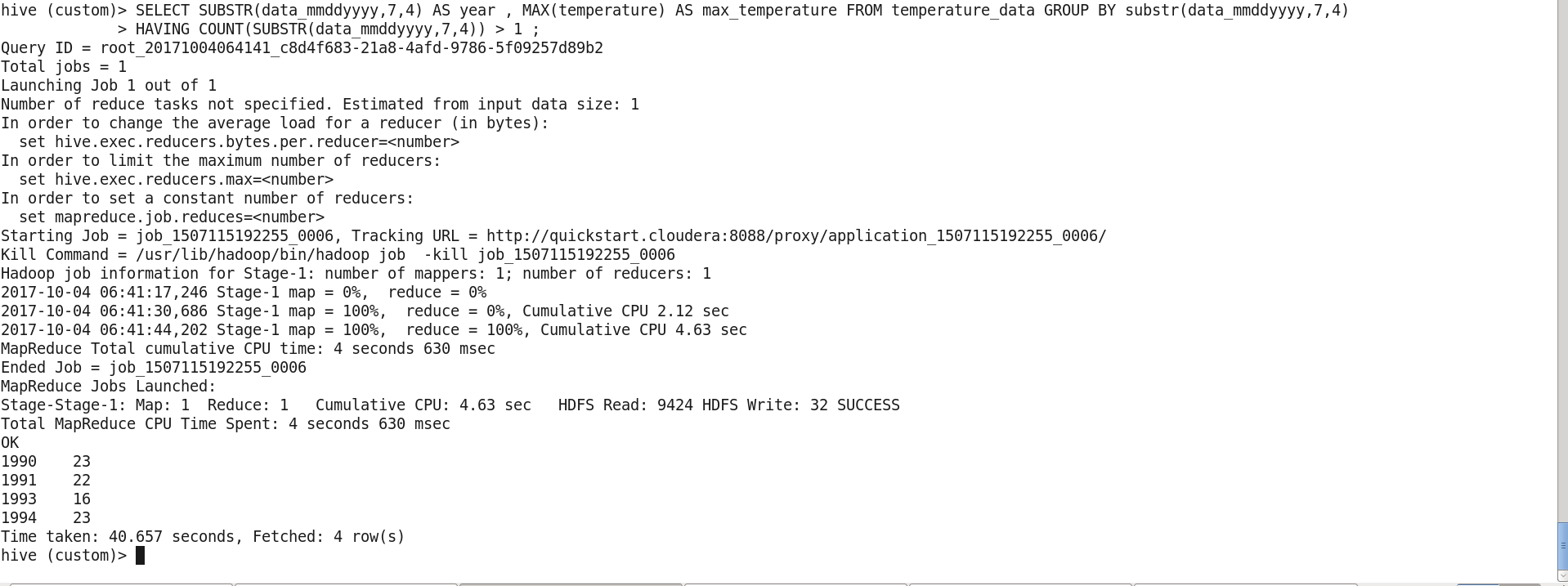
**HIVE INPUT COMMAND:**

SELECT SUBSTR(data\_mmddyyyy,7,4) AS year , MAX(temperature) AS max\_temperature

FROM temperature\_data GROUP BY substr(data\_mmddyyyy,7,4)

HAVING COUNT(SUBSTR(data\_mmddyyyy,7,4)) > 1 ;

**OUTPUT 6.2.3:**



=================================================================

**Problem Statement 6.2.4**

=================================================================

 Create a view on the top of last

query, name it temperature\_data\_vw.

**HIVE INPUT COMMAND :**

CREATE VIEW IF NOT EXISTS temperature\_data\_vw AS

SELECT SUBSTR(data\_mmddyyyy,7,4) AS year , MAX(temperature) AS max\_temperature

FROM temperature\_data GROUP BY substr(data\_mmddyyyy,7,4)

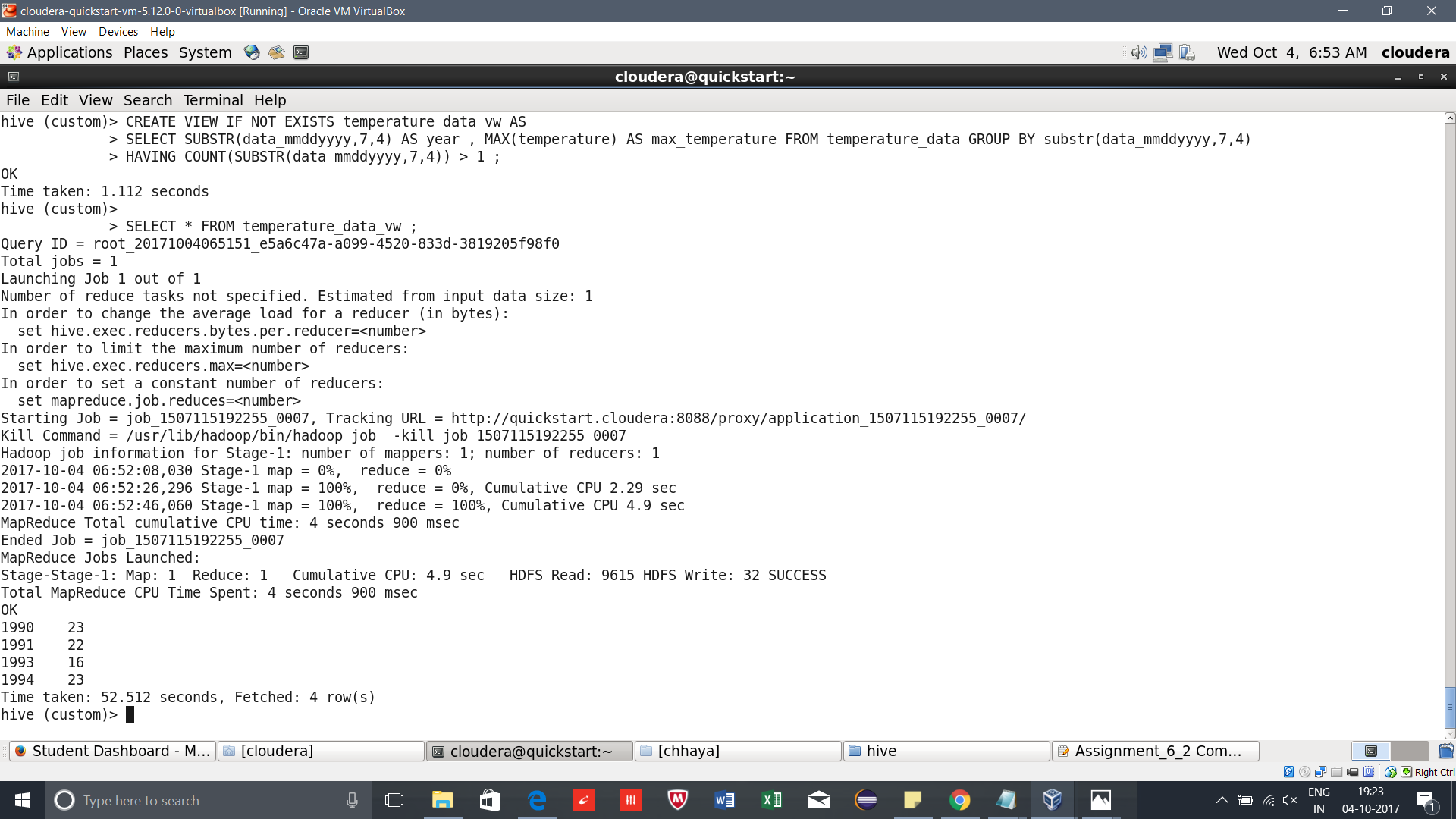
HAVING COUNT(SUBSTR(data\_mmddyyyy,7,4)) > 1

;

SELECT \* FROM temperature\_data\_vw

;

**OUTPUT 6.2.4 ;**



=================================================================

**Problem Statement 6.2.5**

=================================================================

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

file is '|' delimited.

**HIVE INPUT COMMAND:**

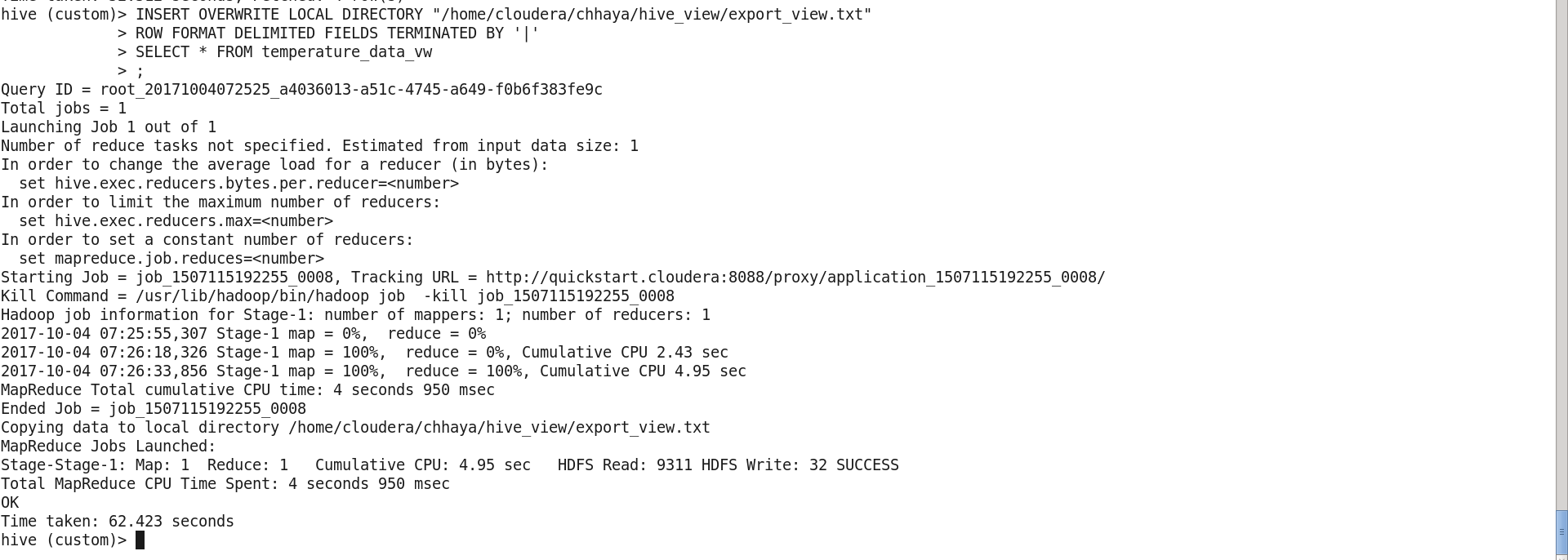
INSERT OVERWRITE LOCAL DIRECTORY "/home/cloudera/chhaya/hive\_view/export\_view.txt"

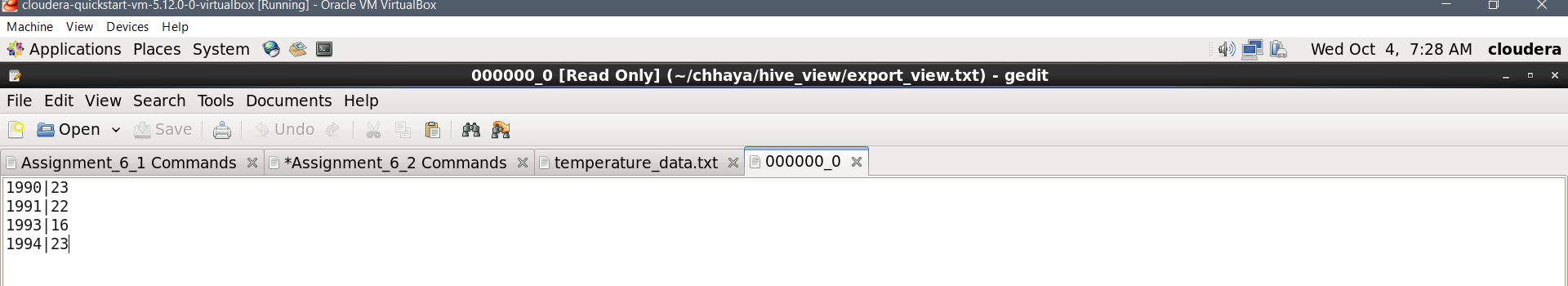
ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

SELECT \* FROM temperature\_data\_vw

;

**OUTPUT 6.2.5 :**





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