Hive Assignment

Architecture:

Source: ClientDB (MySQL) jdbc:mysql://localhost:3306/healthcare

ETL: SQOOP (Importing all the tables from Source to Hive for Analysing via SQOOP (ETL tool))

sqoop import-all-tables --connect jdbc:mysql://localhost/healthcare --username root \

--password cloudera --hive-import --hive-overwrite --m 1

All the tables have been imported to Hive database.

Analysing:

Query1:

is helpful for Jimmy.

```
Problem Statement 2: Jimmy, from the healthcare department, wants to know which disease is infecting people of which gender more often.

Assist Jimmy with this purpose by generating a report that shows for each disease the male-to-female ratio. Sort the data in a way that
```

The Query Results are stored in External Table. (The data is stored in HDFS)

Creating a Table in ClientDB (Target), since the table must be exported from Hive to MySOL using SQOOP.

```
mysql> CREATE TABLE query_1 (
    -> diseaseName VARCHAR(50),
    -> ratio float
    -> );
Query OK, 0 rows affected (0.02 sec)
```

SQOOP Command: (The data from hive/warehouse is sent to the ClientDB (MySQL))

```
[cloudera@quickstart Desktop]$ sqoop export \
> --connect jdbc:mysql://localhost:3306/healthcare \
> --username root \
> --username root \
> --password cloudera \
> --table query 1 \
> -
```

Here the data is exported from the same location in HDFS, while creating external table.

mysql> select * from query_1;

_	· · · · · · · · · · · · · · · · · · ·	
İ	diseaseName	ratio
	Asthma Low back pain Rheumatoid arthritis Guillain?Barré syndrome Obesity Metabolic syndrome Attention deficit hyperactivity disorder Tourette syndrome Anxiety disorder Depression Multiple sclerosis Diabetes mellitus type 1 Cancer Anorexia nervosa Thromboangiitis obliterans Alzheimer's disease Dementia Diabetes mellitus type 2 Lupus Crohn's disease Myocardial infarction Sarcoidosis Irritable bowel syndrome Dilated cardiomyopathy Psoriasis Autism Stroke	1.43 1.43 1.38 1.36 1.28 1.27 1.26 1.22 1.21 2.07 1.87 1.85 1.84 1.82 1.82 1.84 1.78 1.78 1.78 1.78 1.78 1.77 1.77 1.77 1.77
	Schizophrenia Autoimmune diseases Epilepsy Obsessive2compulsive disorder	1.62 1.62 1.59 1.59
	Obsessive?compulsive disorder Chronic obstructive pulmonary disease Amyotrophic lateral sclerosis Atherosclerosis	1.59 1.57 1.56 1.55
	1161101006610010	1 2.55

Query2:

Problem Statement 3: Jacob, from insurance management, has noticed that insurance claims are not made for all the treatments. He also wants to figure out if the gender of the patient has any impact on the insurance claim. Assist Jacob in this situation by generating a report that finds for each gender the number of treatments, number of claims, and treatment-to-claim ratio. And notice if there is a

```
hive>
    > create external table query 2
     > (Gender string, Total_Claims int, Total treatments int , Ratio float)
     > ROW FORMAT DELIMITED FIELDS TERMINATED BY ','
     > LINES TERMINATED BY '\n'
     > LOCATION '/user/hive/warehouse/query 2';
loĸ
Time taken: 0.069 seconds
hive> with cte_table2 as
    > (select p.`gender` as Gender, c.`claimID` as Claims, t.`treatmentID` as treatments
    > FROM person p join treatment t on p.`personID` = t.`patientID` > LEFT JOIN claim c on t.`claimID` = c.`claimID`
    > lINSERT OVERWRITE table query 2
> select Gender, count('Claims') as Total_Number_of_Claims,
> count('treatments') as Total_Number_of_treatments,
> count('treatments')/count('Claims') as Ratio
    > from cte_table2
    > group by Gender;
Query ID = cloudera_20230314054545_418ddce7-e1f0-4efe-b6d6-7fb3e832f847
Total jobs = 1
mysql> CREATE TABLE query_2 (Gender VARCHAR(20), Total_Claims int, Total_treatments int, Ratio float);
Query OK, 0 rows affected (0.03 sec)
[cloudera@quickstart Desktop]$ sqoop export \
> --connect jdbc:mysql://localhost:3306/healthcare \
> --password cloudera \
> --password cloudera \
> --table query_2 \
> --export-dir /user/hive/warehouse/query_2/000000_0;
Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail.
Please set $ACCUMULO_HOME to the root of your Accumulo installation.
23/03/14 05:50:01 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.8.0
mysql> select * from query_2;
+-----+
 | Gender | Total_Claims | Total_treatments | Ratio |
 +----+
 | female | 2676 |
                                                            4206 | 1.57175 |
   male | 4287 |
                                                            6679 | 1.55797 |
   rows in set (0.00 sec)
```

Query3:

Problem Statement 4: Manish, from the healthcare department, wants to know how many registered people are registered as patients as well, in each city. Generate a report that shows each city that has 10 or more registered people belonging to it and the number of patients from that city as well as the percentage of the patient with respect to the registered people.

```
Time taken: 1.821 seconds
              > INNER JOIN person pe on pe.addressID = a.addressID
            > LEFT JOIN patient pa ON pe. `personID`=pa. `patientID
             > GROUP BY city
> HAVING No Of Patients >10;
    lucry ID = cloudera_20230315002828_f2e0714c-884b-4652-846b-81039dd5f6b8
Fotal jobs = 1
   > LEFT JOIN patient pa OW De. persons "pas." pas. persons "pas." persons "pas." persons "pas." persons "pas." p
    mysql> Create table query_3(city VARCHAR(30), Number_of_patients int, Percentage float);
    Query OK, 0 rows affected (0.02 sec)
    ....
    [cloudera@quickstart ~]$ sqoop export \
    > --connect jdbc:mysql://localhost:3306/healthcare \
   > --username root \
   > --password cloudera \
   > --table query 3 \
   > --export-dir /user/hive/warehouse/query_3/000000_0;
    Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fa:
   Please set $ACCUMULO HOME to the root of your Accumulo installation.
    23/03/15 00:30:39 TNEO sacon Sacon Running Sacon version: 1.4 6-cdh5.8.0
    Query4: (Previous Query with Partitions)
           erate a report that shows each city that has 10 or more registered people belonging to it and the number of patients
    hive> CREATE TABLE IF NOT EXISTS ADDRESS_PART (addressId int, address String, state String, zip int)
              > COMMENT 'Address details
               > PARTITIONED BY (city String)
              > ROW FORMAT DELIMITED
              > FIELDS TERMINATED BY ','
> LINES TERMINATED BY '\n'
               > STORED AS TEXTFILE;
    Time taken: 0.188 seconds
  Time taken: 0.188 seconds

hive> insert into ADDRESS_PART partition(state) select addressId, addressI, city,zip, state from address;

Ouery ID = Cloudera_20236319309008_31cf48c-5808-47cf-8a29-c60e3783ee8a

Total jobs = 3

Launching job 1 of 3

Number of reduce tasks is set to 0 since there's no reduce operator

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Number of reduce tasks is set to 0 since there's no reduce operator

Number of reducers: 0

2023-03-15 03:00-05,763 45 tage-1 map = 08, reduce = 09, cumulative CPU 2.04 sec

MapReduce Total cumulative (CPU time: 2 seconds 40 msc

Ended Job = job _1678670392937 0009

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-3 is filtered out by condition resolver.

Moving data to: hdfs://quickstart.cloudera.8020/user/hive/warehouse/address_part/.hive-staging_hive_2023-03-15_03-00-48_168_8039036622445571998-1/-ext-10000

Loading part to table default address part partition (state=mull)

Loading partition (state=VT)

Loading partition (state=VT)
```

The inserted data has been stored in different directories in hive/warehouse.

The result has been reduced by 10 seconds with partitions added in the address table.

The max partitions supported by HIVE is 100. If it exceeds 100 partitions it throws number of dynamic partitions exceeded.

Query5:

Problem Statement 1: Jimmy, from the healthcare department, has requested a report that shows how the number of treatments each age category of patients has gone through in the year 2022.

The age category is as follows: Children (00-14 years), Youth (15-24 years), Adults (25-64 years), and Seniors (65 years and over).

Assist Jimmy in generating the report.

Create External Table

create external table problem_1

```
(age_category string, count int)
ROW FORMAT DELIMITED FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
LOCATION '/user/hive/warehouse/project/problem1';
```

Insert Data Into External Table In Hive

```
INSERT OVERWRITE table problem_1
SELECT Age_Category, COUNT(treatmentID)
FROM
( SELECT t.treatmentID,
 CASE
  WHEN (year(current_date()) - year(dob)) <= 14 then 'Children'
  WHEN (year(current_date()) - year(dob)) <= 24 then 'Youth'
  WHEN (year(current_date()) - year(dob)) <= 64 then 'Adults'
  ELSE 'Seniors'
 END AS Age_Category
 FROM Treatment t
 JOIN Patient P ON t.PatientID = P.PatientID
 WHERE year(date) = 2022
) a
GROUP BY Age_Category;
```

```
hive> create external table problem 1
    > (age_category string, count int)
    > ROW FORMAT DELIMITED FIELDS TERMINATED BY ','
    > LINES TERMINATED BY '\n'
    > LOCATION '/user/hive/warehouse/project/problem1';
Time taken: 0.056 seconds
hive> INSERT OVERWRITE table problem 1
    > SELECT Age_Category, COUNT(treatmentID)
    > ( SELECT t.treatmentID,
        CASE
          WHEN (year(current_date()) - year(dob)) <= 14 then 'Children'
          WHEN (year(current_date()) - year(dob)) <= 24 then 'Youth'
          WHEN (year(current_date()) - year(dob)) <= 64 then 'Adults'
          ELSE 'Seniors'
       END AS Age Category
        FROM Treatment t
        JOIN Patient P ON t.PatientID = P.PatientID
       WHERE year(date) = 2022
    > ) a
    > GROUP BY Age Category;
Query ID = cloudera 20230314052222 2254d992-f575-4ece-ad3e-817b9c2d794d
Total jobs = 1
Execution log at: /tmp/cloudera/cloudera_20230314052222_2254d992-f575-4ece-ad3e-817b9c2d794d
2023-03-14 05:22:27
                        Starting to launch local task to process map join;
                                                                                maximum memo
ry = 1013645312
2023-03-14 05:22:29
                        Dump the side-table for tag: 1 with group count: 1126 into file: fil
e:/tmp/cloudera/0e77b33b-78f4-4077-be2f-3aef74180122/hive 2023-03-14 05-22-22 193 1640854280
522981695-1/-local-10003/HashTable-Stage-2/MapJoin-mapfile61--.hashtable
                       Uploaded 1 File to: file:/tmp/cloudera/0e77b33b-78f4-4077-be2f-3aef7
2023-03-14 05:22:29
4180122/hive 2023-03-14 05-22-22 193 1640854280522981695-1/-local-10003/HashTable-Stage-2/Ma
pJoin-mapfile61--.hashtable (37601 bytes)
2023-03-14 05:22:29
                      End of local task; Time Taken: 1.471 sec.
Execution completed successfully
MapredLocal task succeeded
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 1
In order to change the average load for a reducer (in bytes):
 set hive.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
 set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
```

Create Output Table in Client DB

```
CREATE TABLE problem_1(
age_category VARCHAR(20),
count int
):
```

Move Data to Client DB using Sqoop Export

```
sqoop export \
--connect jdbc:mysql://localhost:3306/healthcare \
--username root \
--password cloudera \
```

```
--table problem_1 \
```

--export-dir /user/hive/warehouse/project/problem1/000000_0;

```
mysql> select * from problem_1;

+-----+

| age_category | count |

+-----+

| Youth | 92 |

| Adults | 1327 |

| Children | 770 |

| Seniors | 778 |

+-----+

4 rows in set (0.03 sec)
```

QUERY 6

Problem Statement 2: Jimmy, from the healthcare department, wants to know which disease is infecting people of which gender more often.

Assist Jimmy with this purpose by generating a report that shows for each disease the male-to-female ratio. Sort the data in a way that is helpful for Jimmy.

Create External Table

create external table query_2

(diseaseName string, ratio double)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

LOCATION '/user/hive/warehouse/project/problem2';

Insert Data Into External Table In Hive

INSERT OVERWRITE table query_2

SELECT d.diseaseName,

ROUND(SUM(IF(p.gender='male',1,0))/(SUM(IF(p.gender='female',1,0))),2) as Ratio

FROM Treatment t

JOIN Disease d

ON t.diseaseID = d.diseaseID

```
JOIN Person p
```

ON p.personID = t.patientID

GROUP BY d.diseaseName

ORDER BY Ratio DESC;

Create Output Table in Client DB

CREATE TABLE query_2 (

```
diseaseName VARCHAR(50),
 ratio float
);
mysql> show tables;
| Tables in healthcare |
 address
 claim
  contain
  disease
  insurancecompany
  insuranceplan
  keep
  medicine
  patient
  patient_details
  person
  pharmacy
  prescription
 | treatment
14 rows in set (0.00 sec)
mysql> CREATE TABLE query_1 (
-> diseaseName VARCHAR(50),
         ratio float
    -> );
Query OK, 0 rows affected (0.03 sec)
```

Move Data to Client DB using Sqoop Export

sqoop export \

--connect jdbc:mysql://localhost:3306/healthcare \

- --username root \
- --password cloudera \
- --table query_2 \
- --export-dir /user/hive/warehouse/project/problem2/000000_0;

mysql> select * from query_2;	
diseaseName	ratio
+	
Asthma	1.43
Depression	2.07
Myocardial infarction	1.78
Sarcoidosis	1.77
Irritable bowel syndrome	1.77
Dilated cardiomyopathy	1.74
Psoriasis	1.69
Autism	1.66
Stroke	1.63
Schizophrenia	1.62
Autoimmune diseases	1.62
Epilepsy	1.59
Obsessive?compulsive disorder	1.59
Multiple sclerosis	1.97
Diabetes mellitus type 1	1.87
Cancer	1.85
Anorexia nervosa	1.84
Thromboangiitis obliterans	1.82
Alzheimer's disease	1.82
Dementia	1.8
Diabetes mellitus type 2	1.8
Lupus	1.8
Crohn's disease	1.78
Low back pain	1.43
Rheumatoid arthritis	1.38
Guillain?Barré syndrome	1.36
Obesity	1.28
Metabolic syndrome	1.27
Attention deficit hyperactivity disorder	1.26
Tourette syndrome	1.22
Anxiety disorder	1.21
Chronic obstructive pulmonary disease	1.57
Amyotrophic lateral sclerosis	1.56
Atherosclerosis	1.55
Parkinson's disease	1.54
Coronary heart disease	1.54
Chronic fatigue syndrome	1.48
Bipolar disorder	1.46
Vasculitis	1.45
Panic disorder	1.44
4	

QUERY7

Problem Statement 3: Jacob, from insurance management, has noticed that insurance claims are not made for all the treatments. He also wants to figure out if the gender of the patient has any impact on the insurance claim. Assist Jacob in this situation by generating a report that finds for each gender the number of treatments, number of claims, and treatment-to-claim ratio. And notice if there is a significant difference between the treatment-to-claim ratio of male and female patients.

Create External Table

```
create external table problem3
```

(gender string, count_claims int, count_treatments int, ration double)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

GROUP BY Gender:

LOCATION '/user/hive/warehouse/project/problem3';

Insert Data Into External Table In Hive

```
WITH cte_table2 AS (

SELECT pe.`gender` AS Gender, c.`claimID` AS Claims, t.`treatmentID` AS treatments

FROM `claim` c

JOIN `treatment` t ON c.`claimID` = t.`claimID`

JOIN `patient` p ON p.`patientID` = t.`patientID`

JOIN `person` pe ON pe.`personID` = p.`patientID`

) INSERT OVERWRITE table problem3

SELECT Gender, COUNT(Claims) AS `Total Number of Claims`,

COUNT(treatments) AS `Total Number of treatments`,

COUNT(Claims) / COUNT(treatments) AS Ratio

FROM cte_table2
```

```
hive> create external table problem3
    > (gender string, count_claims int, count_treatments int, ration double)
    > ROW FORMAT DELIMITED FIELDS TERMINATED BY ',
     > LINES TERMINATED BY '\n'
     > LOCATION '/user/hive/warehouse/project/problem3';
Time taken: 0.076 seconds
hive> WITH cte_table2 AS (
        SELECT pe. `gender` AS Gender, c. `claimID` AS Claims, t. `treatmentID` AS treatments FROM `claim` c
        JOIN 'treatment' t ON c.'claimID' = t.'claimID'
JOIN 'patient' p ON p.'patientID' = t.'patientID'
JOIN 'person' pe ON pe.'personID' = p.'patientID'
     > ) INSERT OVERWRITE table problem3
    > SELECT Gender, COUNT(Claims) AS 'Total Number of Claims',
> COUNT(treatments) AS 'Total Number of treatments',
               COUNT(Claims) / COUNT(treatments) AS Ratio
    > FROM cte_table2
> GROUP BY Gender;
Query ID = cloudera_20230314191414_7254e0be-70db-406f-acd9-88c0dce5d8e3
Total jobs = 1
Execution log at: /tmp/cloudera/cloudera_20230314191414_7254e0be-70db-406f-acd9-88c0dce5d8e3.log
                                                                                               maximum memory = 1013645312
2023-03-14 07:14:17
                             Starting to launch local task to process map join;
                             Dump the side-table for tag: 1 with group count: 1126 into file: file:/tmp/cloudera/f
2023-03-14 07:14:18
```

Create Output Table in Client DB

```
CREATE TABLE problem3(
  gender varchar(10),
  count_claims int,
  count_treatments int,
  ratio double
);
[cloudera@quickstart ~]$ sqoop export \
> --connect jdbc:mysql://localhost:3306/healthcare \
> --username root \
> --password cloudera \
> --table problem3 \
> --export-dir /user/hive/warehouse/project/problem3/000000_0;
Warning: /usr/lib/sqoop/../accumulo does not exist! Accumulo imports will fail. Please set $ACCUMULO_HOME to the root of your Accumulo installation.
23/03/14 19:20:05 INFO sqoop.Sqoop: Running Sqoop version: 1.4.6-cdh5.8.0
23/03/14 19:20:05 WARN tool.BaseSqoopTool: Setting your password on the command-line is insecure. Consider u
23/03/14 19:20:05 INFO manager.MySQLManager: Preparing to use a MySQL streaming resultset. 23/03/14 19:20:05 INFO tool.CodeGenTool: Beginning code generation
23/03/14 19:20:06 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `problem3` AS t LIMIT 1 23/03/14 19:20:06 INFO manager.SqlManager: Executing SQL statement: SELECT t.* FROM `problem3` AS t LIMIT 1
23/03/14 19:20:06 INFO orm.CompilationManager: HADOOP MAPRED HOME is /usr/lib/hadoop-mapreduce
```

Move Data to Client DB using Sqoop Export

```
sqoop export \
--connect jdbc:mysql://localhost:3306/healthcare \
--username root \
--password cloudera \
--table problem_1 \
--export-dir /user/hive/warehouse/project/problem1/000000 0;
```

```
mysql> CREATE TABLE problem3(
    -> gender varchar(10),
    -> count_claims int,
    -> ratio double
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> Select * from problem3;
+----+
| gender | count_claims | count_treatments | ratio |
+----+
| female | 2676 | 2676 | 1 |
| male | 4287 | 4287 | 1 |
+----+
2 rows in set (0.00 sec)
```

QUERY8:

Problem Statement 4: The Healthcare department wants a report about the inventory of pharmacies. Generate a report on their behalf that shows how many units of medicine each pharmacy has in their inventory, the total maximum retail price of those medicines, and the total price of all the medicines after discount.

Note: discount field in keep signifies the percentage of discount on the maximum price.

Create External Table

create external table problem4

(pharmacyName String, count_medicines int, total_price double, total_discounted_price double)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

LOCATION '/user/hive/warehouse/project/problem4';

Insert Data Into External Table In Hive

```
with cte_table3 as (
select `pharmacyName` as `Pharmacy Name`,
count(m.`medicineID`) as `Total number of Medicines`,
sum(m.`maxPrice`) as `Total Retail Price`,
```

```
sum(m.`maxPrice` - (k.`discount` * 0.01)) as `Total Price of Medicines after discount`
 from pharmacy p
 join `keep` k on p.`pharmacyID` = k.`pharmacyID`
 join 'medicine' m on m.'medicineID' = k.'medicineID'
 where p.`pharmacyID` = k.`pharmacyID`
 group by pharmacyName
)
INSERT OVERWRITE table problem4
SELECT * FROM cte_table3;
from pharmacy p
      join 'keep' k on p.`pharmacyID' = k.`pharmacyID'
join `medicine` m on m.`medicineID` = k.`medicineID`
where p.`pharmacyID` = k.`pharmacyID`
       group by pharmacyName
   > )
   > INSERT OVERWRITE table problem4
   > SELECT * FROM cte_table3;
Query ID = cloudera_20230314194141_cdd23500-5ce7-4b2f-af3c-d83f2a730f5c
Total jobs = 1
Execution log at: /tmp/cloudera/cloudera_20230314194141_cdd23500-5ce7-4b2f-af3c-d83f2a730f5c.log
2023-03-14 07:41:45
                     Starting to launch local task to process map join; maximum memory = 1013645312
Create Output Table in Client DB
CREATE TABLE problem4(
pharmacyName Varchar(50),
count_medicines int,
total_price double,
total_discounted_price double
);
Move Data to Client DB using Sqoop Export
sqoop export \
--connect jdbc:mysql://localhost:3306/healthcare \
--username root \
--password cloudera \
--table problem4 \
--export-dir /user/hive/warehouse/project/problem4/000000_0;
```

mysql> CREATE TABLE problem4(
 -> pharmacyName Varchar(50), count_medicines int, total_price double, total_discounted_price double
 ->);
Query OK, 0 rows affected (0.01 sec)

mysql> Select * from problem4;

pharmacyName	count_medicines	total_price	total_discounted_price
Providence Plaza	44	4897.87	4891.07
Publix Pharmacy	292	115202.51	115160.41
Pure Care Pharmacy	252	180313.19	180277.39
Pure Life	162	32294.38	32270.18
RX Express	j 329	141585.69	141536.59
RX Universal	j 159	99044.75	99021.2500000001
RefillWise	j 492	215853.85	215792.55
Rejuvva Drugs	j 5	3292.2	3291.4
Reliable Pharmacy	j 231	152022.67	151991.87
Reliable Rexall	63	28381	28371.7
Revco Discount Drugs	j 5	8257.25	8256.25
Right Drugs	j 325	128354.65	128307.15
Rite Aid	j 282	139494.69	139453.29
Rocky?s Drug	16	1942.88	1941.38
Roosevelt Clinic	j 256	145729.82	145693.52
RxToMe	j 44	40200.4	40194.4
Rxtra	j 3	32.25	31.75
Sand Point Pharmacy	j 60	13065.57	13057.97
Sav-0n	j 430	108484.92	108423.52
ScriptSave	j 196	74206.46	74176.96
ScriptSite Specialty	j 215	98036.5999999999	98002.9
Sharp Specialty Pharmacy	j 169	70186.99	70161.39
Simple Meds	j 119	61676.97	61659.67
Smart Pharmacy	j 256	127257.2	127220.9
Southside Family Pharmacy	j 177	125551.5	125526.7
Southwest Pharmacy	j 461	208976.48	208908.58
Spot Rx	j 455	170213.62	170145.12
Sunwest	j 70	21048.04	21037.54
Sure Save	j 331	216128.83	216077.43
The Chemist	j 85	12250.04	12237.44
The Compounding Pharmacy	j 258	75204.67	75163.67
The Downtown Dispensary	j 20	2194.27	2190.97
The Pill Club	219	95385.31	95351.41
The Rx Advocates	369	128145.89	128090.49
Thrifty Way Pharmacy	j 119	27634.17	27616.37
