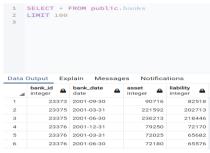
Sishir Yerra Doddi HW2

SELECT QUERY

1. Import data from banks all 2001:

create table banks(bank_id INT,bank_Date date,asset INT, liability INT) (imported data using Import function at banks table) Select * FROM public.banks

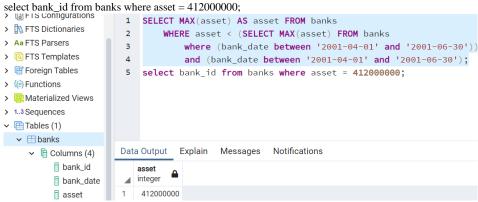


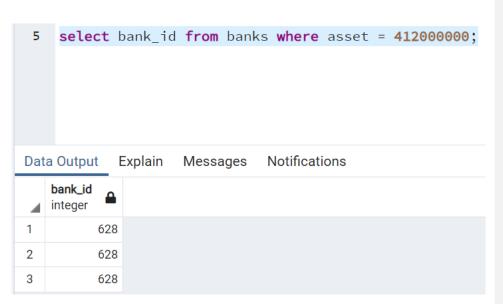
2. SELECT MAX(asset) AS asset FROM banks

WHERE asset < (SELECT MAX(asset) FROM banks

where (bank_date between '2001-04-01' and '2001-06-30'))

and (bank_date between '2001-04-01' and '2001-06-30');

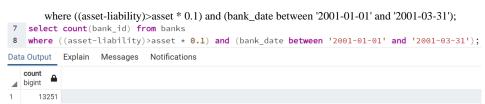




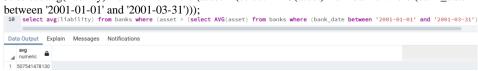
3.

select extract(quarter from bank_date) as quarter, count (bank_id), bank_id from banks, extract (quarter from bank_date); order by extract(quarter from bank_date);

4. select count(bank_id) from banks



5. select avg(liability) from banks where (asset > (select AVG(asset) from banks where (bank_date



Commented [s1]: Syntax Error at Extract, but it works on 13.0.

Querying Multiple tables

 create table banks02(bank_id INT,bank_Date date,asset INT, liability INT); select * from banks02;



Data Output Explain Messages			Notification	ons
4	bank_id integer	bank_date date	asset integer	liability integer
1	23373	2002-09-30	95914	87304
2	23376	2002-12-31	95937	87453
3	23376	2002-03-31	83335	75939

create table secbank (bank_id INT,bank_Date date, security INT); select * from secbank;

- 5 create table secbank (bank_id INT,bank_Date date, security INT);
- 6 -- data imported using right click on table secbank.
 - select * from secbank;

Data Output **Notifications** Explain Messages bank_id bank_date security integer date integer 1 32307 2002-09-30 0 2 22598 2002-03-31 0 15879 2002-06-30 5357 3

 select B1.bank_id , B1.asset , B2.security From banks02 B1 Inner Join secbank B2

on B1.bank_id=B2.bank_id and B1.bank_date=B2.bank_date where (B1.bank_date between '2002-01-01' and '2002-03-31') and (B2.security > B1.asset * 0.2) order by B1.bank_id;

select count(B1.bank_id) From banks02 B1

```
Inner Join secbank B2
on B1.bank_id=B2.bank_id and B1.bank_date=B2.bank_date
where (B1.bank_date between '2002-01-01' and '2002-03-31')
and (B2.security > B1.asset * 0.2);
  15 select count(B1.bank_id) From banks02 B1
  16
        Inner Join secbank B2
       on B1.bank_id=B2.bank_id and B1.bank_date=B2.bank_date
        where (B1.bank_date between '2002-01-01' and '2002-03-31')
        and (B2.security > B1.asset * 0.2);
  19
  Data Output
                   Explain
                             Messages
                                             Notifications
      count
      bigint
   1
  1
             984
   3.
   4. Similar error repeats
       21 copy (select Bl.bank_id , Bl.asset , B2.security From banks02 B1
22 Inner Join secbank B2
       23 on B1.bank_id=B2.bank_id and B1.bank_date=B2.bank_date where (B1.bank_date between '2002-01-01' and '2002-03-31'
       and (B2.security > (select AVG(security) from secbank where (bank_date between '2002-01-01' and '2002-03-31')))
       order by B1.bank_id) To 'C:/Users/sishi/Documents/part2.csv' Delimiter ',' CSV Header;
       26
       27
       Data Output Explain Messages Notifications
       ERROR: could not open file "C:/Users/sishi/Documents/part2.csv" for writing: Permission denied
        SQL state: 42501
```

5. select B1.bank_id , B1.asset, B2.security From banks02 B1 Inner join secbank B2 on B1.bank_id=B2.bank_id and B1.bank_date=B2.bank_date Limit 10;
27 select B1.bank_id , B1.asset, B2.security From banks02 B1 28 Inner join secbank B2 29 on B1.bank_id=B2.bank_id and B1.bank_date=B2.bank_date Limit 10; 30 Data Output Explain Notifications Messages bank_id asset security integer integer integer 32307 53714 0 1

 integer
 integer
 integer

 1
 32307
 53714
 0

 2
 22598
 57360
 0

 3
 15879
 76960
 5357

 4
 35373
 46551
 0

 Create table final_bank AS (select B1.bank_id , B1.asset , B2.security From banks02 B1 Inner Join secbank B2

on B1.bank_id=B2.bank_id and B1.bank_date=B2.bank_date Limit 10)

```
→ 目final_bank

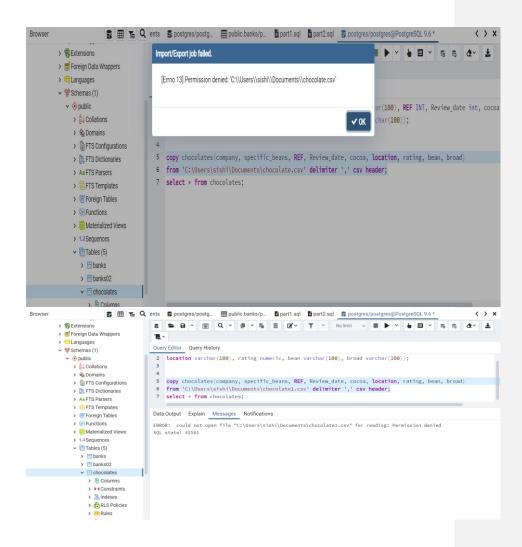
→ ☐ Columns (3)

☐ bank_id
☐ asset
☐ security
☐ security
☐ security
☐ asset
☐ security
☐ secur
```

Application

1. Impossible to solve this in any manner. I tried to extract using the code or by import/export b this problem I am not going to do.

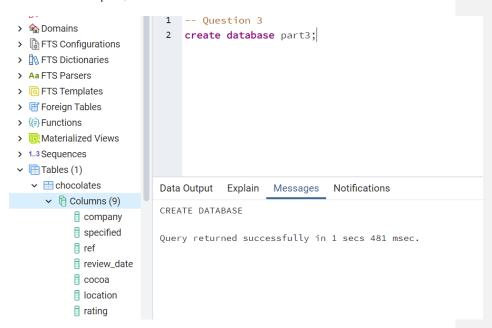
2.



HW_2_PART_3

Q3:-

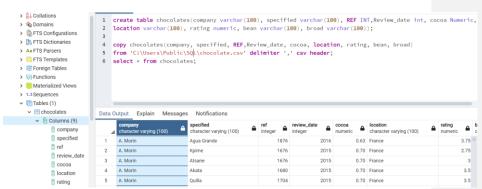
a. Create database part3;



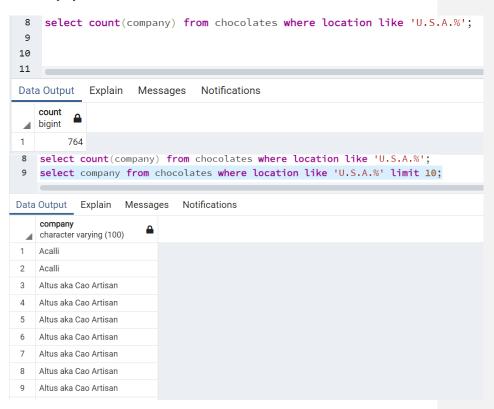
b.

create table chocolates(company varchar(100), specified varchar(100), REF INT,Review_date int, cocoa Numeric, location varchar(100), rating numeric, bean varchar(100), broad varchar(100));

 $copy\ chocolates (company,\ specified,\ REF,Review_date,\ cocoa,\ location,\ rating,\ bean,\ broad) from 'C:\Users\Public\SQL\chocolate.csv'\ delimiter','\ csv\ header; select* from\ chocolates;$

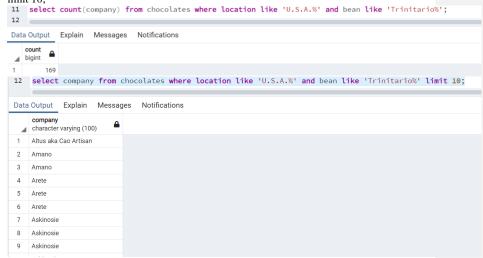


select count(company) from chocolates where location like 'U.S.A.%';
 select company from chocolates where location like 'U.S.A.%' limit 10;

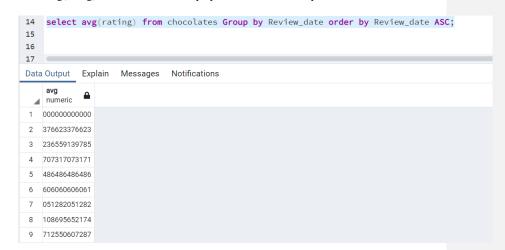


d. select count(company) from chocolates where location like 'U.S.A.%' and bean like 'Trinitario%';

select company from chocolates where location like 'U.S.A.%' and bean like 'Trinitario%' limit 10;



e. select avg(rating) from chocolates Group by Review_date order by Review_date ASC;



9 000000000000

- 4.Get the average rating for each year. Sort the result by year in ascending order and report your results.
 5. Get the average rating for each company. Sort the result alphabetically by company name and report first 10 observations.
 6. For each year, get the companies name and their average ratings whoseratings are above the every year's average rating. Report your results for year 2007.
 7. For each year, get the highest rating and the company's name. Reportyour result in a table.
 8. For each year, get the rating spread(highest minus lowest). Sort yourresult by spread in descending order and report it.