--Q2--

--

--What is the value of the largest transaction made and to which account/accounts was it made?

--a. Get the name, gender, age, and the city this client lives in

--

select \* from (

select max(cc.amount::numeric) , cc3."first" || ' ' || cc3."last" as name ,

cc3.sex as gender,

cc3.age ,

cc3.city,

dense\_rank() over (partition by cc.trans\_id,cc.account\_id order by cc.fulldate) as r

-- row\_number() over () rown

from completedtrans\_csv cc

join completeddisposition\_csv cc2 on cc.account\_id = cc2.account\_id

join completedclient\_csv cc3 on cc3.client\_id = cc2.client\_id

group by 2,3,4,5,cc.trans\_id,cc.account\_id

,cc.fulldate

order by 1 desc

) x where x.r=1 limit 1;

select \* from completedtrans\_csv cc

--ANS:

--87400 Johanna Summers Female 19 Charleston 1

--

--3. Which account(s) had the largest balance and what date was this? How does this compare to the balance of this

--account to the latest date?

--ans a - 209637 A00010520 2017-05-06 Greatest Balance

--ans b - 78486.1 A00000960 2018-12-31 Current Balance

(

select greatest(balance::numeric) as balance ,account\_id , fulldate , 'Greatest Balance' as b --, rank() over ( order by fulldate)

from completedtrans\_csv cc

order by 1 desc,2

limit 1)

union all

(

select balance::numeric , account\_id , fulldate ,'Current Balance' as b

from completedtrans\_csv cc

order by 3 desc

limit 1)

--Q6

--6. How many debit and credit transactions are there?

select "type" , count(\*) from completedtrans\_csv cc

group by 1

/\*

\*

Credit 405083

Debit 651237

\*\*/

--Q7

--What are the different types of transaction operations?

select distinct operation from completedtrans\_csv cc

--NULL 183114

--Cash Withdrawal 434918

--Collection from Another Bank 65226

--Credit Card Withdrawal 8036

--Credit in Cash 156743

--Remittance to Another Bank 208283

--Q8

--What are the different K Symbol values?

select distinct k\_symbol from completedtrans\_csv cc

--NULL 481881

--NULL 53433

--Household 118065

--Insurance Payment 18500

--Interest Credited 183114

--Loan Payment 13580

--Old Age Pension 30338

--Payment on Statement 155832

--Sanction Interest 1577

--q9 -

--

--9. Which top/bottom 3 banks have the highest count of transactions?

select greatest() from completedtrans\_csv cc2

select \* from(

select bank , count(\*) as cn, rank() over (partition by cc.trans\_id order by cc.fulldate) as r

from completedtrans\_csv cc

where bank <> ''

group by 1,cc.fulldate,cc.trans\_id

order by 1,2 desc

) x where x.r in (1,2,3);