-- Andre Ceschia: 501156295

-- Numair Jaan: 501113345

-- Ty Tsiamala: 501168084

-- This query shows all beneficiaries in the database and whose accounts they can access

SELECT

U1.user\_id as benificary\_id,

U1.first\_name as benificary\_first\_name,

U1.last\_name as benificary\_last\_name,

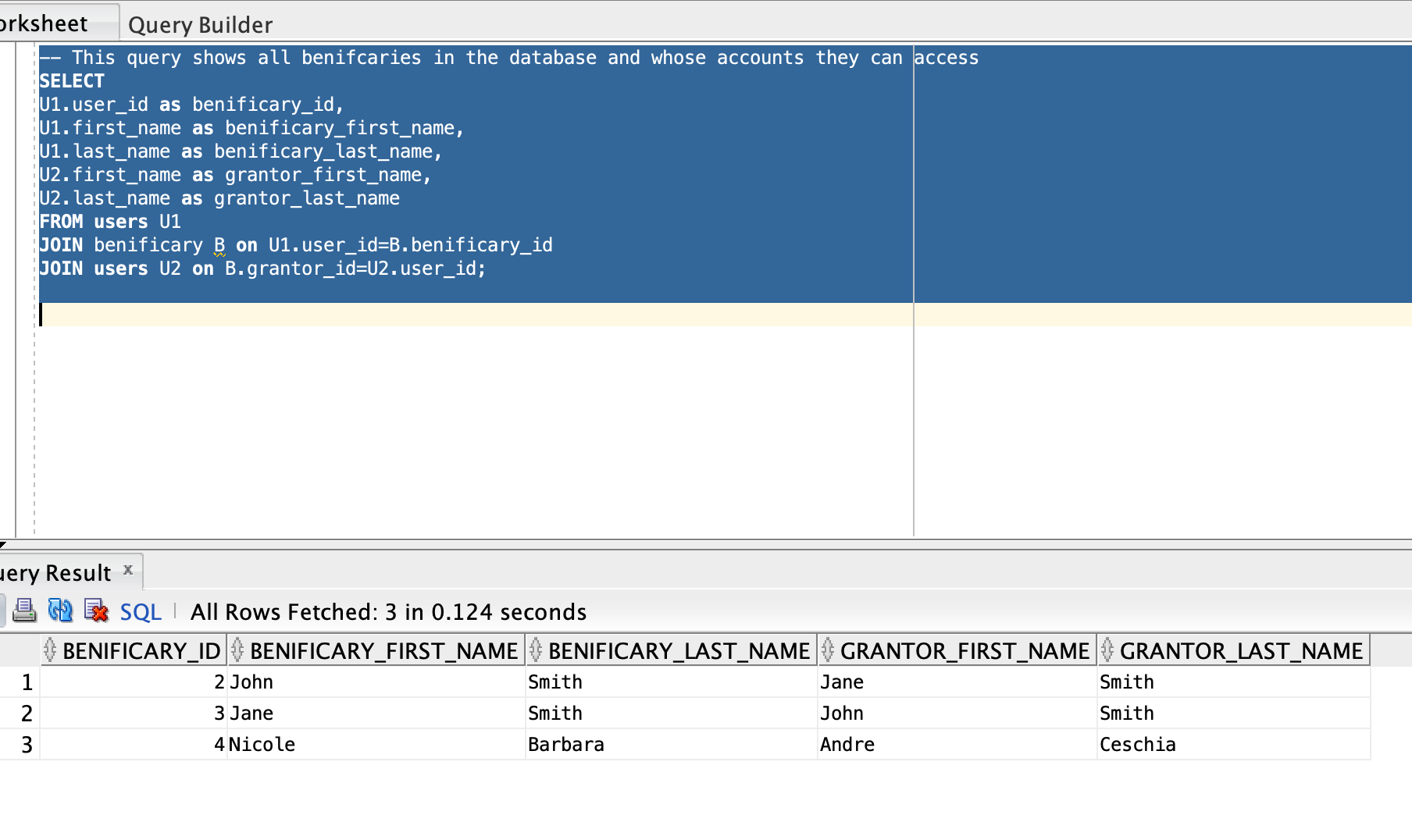
U2.first\_name as grantor\_first\_name,

U2.last\_name as grantor\_last\_name

FROM users U1

JOIN benificary B on U1.user\_id=B.benificary\_id

JOIN users U2 on B.grantor\_id=U2.user\_id;



-- This query shows the total balance in all of a users accounts

-- sorted by balance

-- i.e. sum of chequing balance, savings balance, credit debt

SELECT

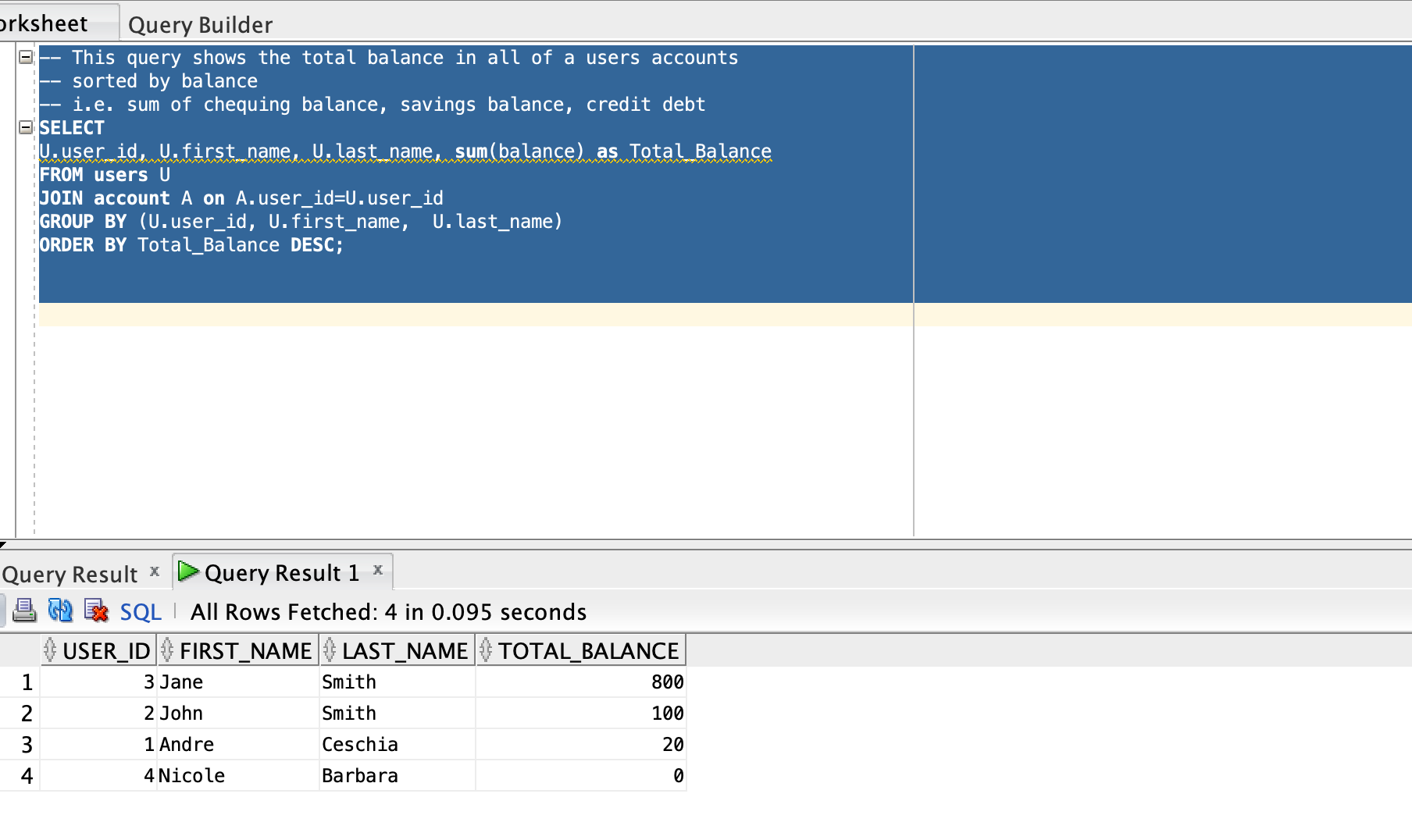
U.user\_id, U.first\_name, U.last\_name, sum(balance) as Total\_Balance

FROM users U

JOIN account A on A.user\_id=U.user\_id

GROUP BY (U.user\_id, U.first\_name, U.last\_name)

ORDER BY Total\_Balance DESC;

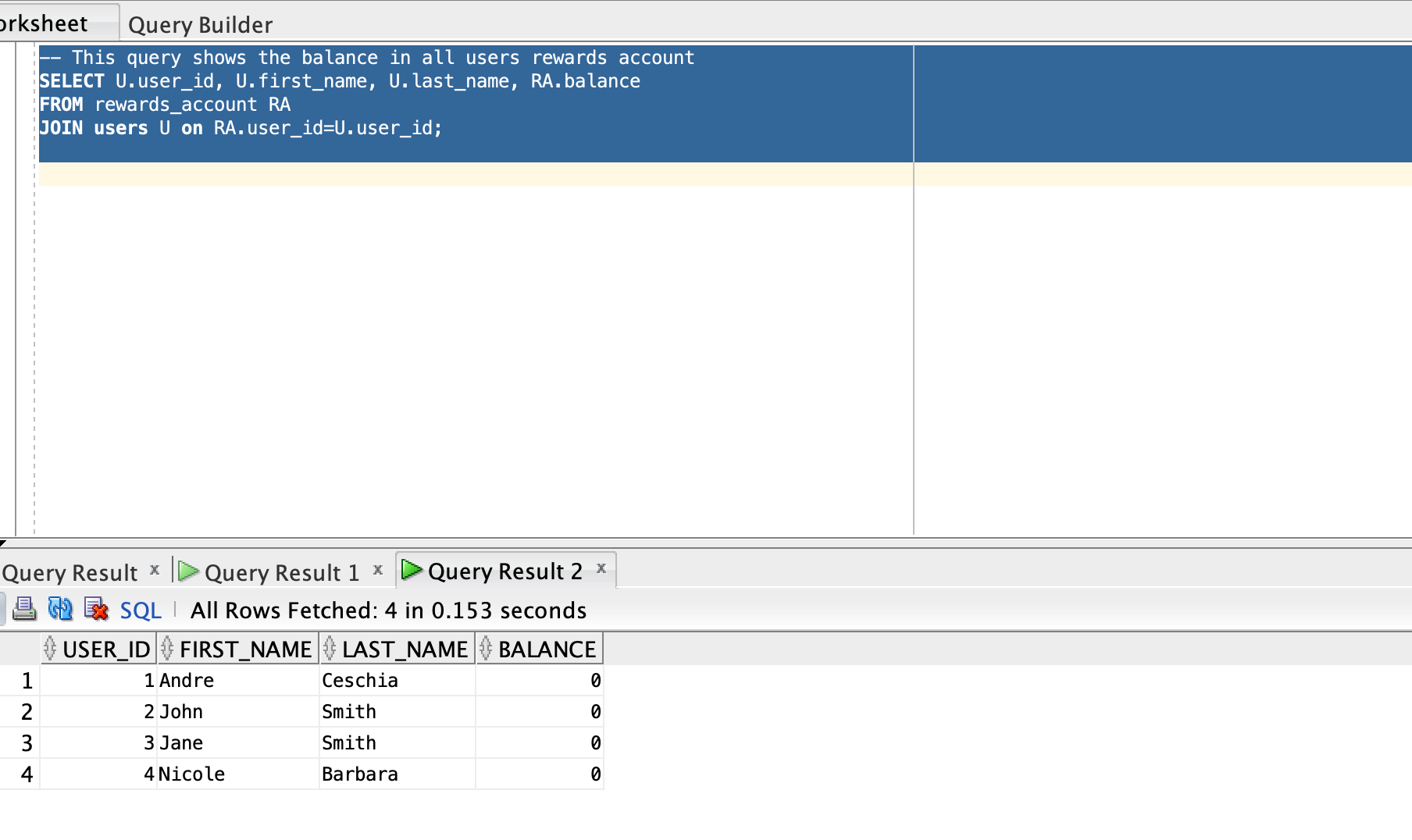


-- This query shows the balance in all users rewards account

SELECT U.user\_id, U.first\_name, U.last\_name, RA.balance

FROM rewards\_account RA

JOIN users U on RA.user\_id=U.user\_id;



-- This query shows us the savings accounts (and their owners) with the nearest compound date

-- If 2 accounts have the same compound date, sort by balance

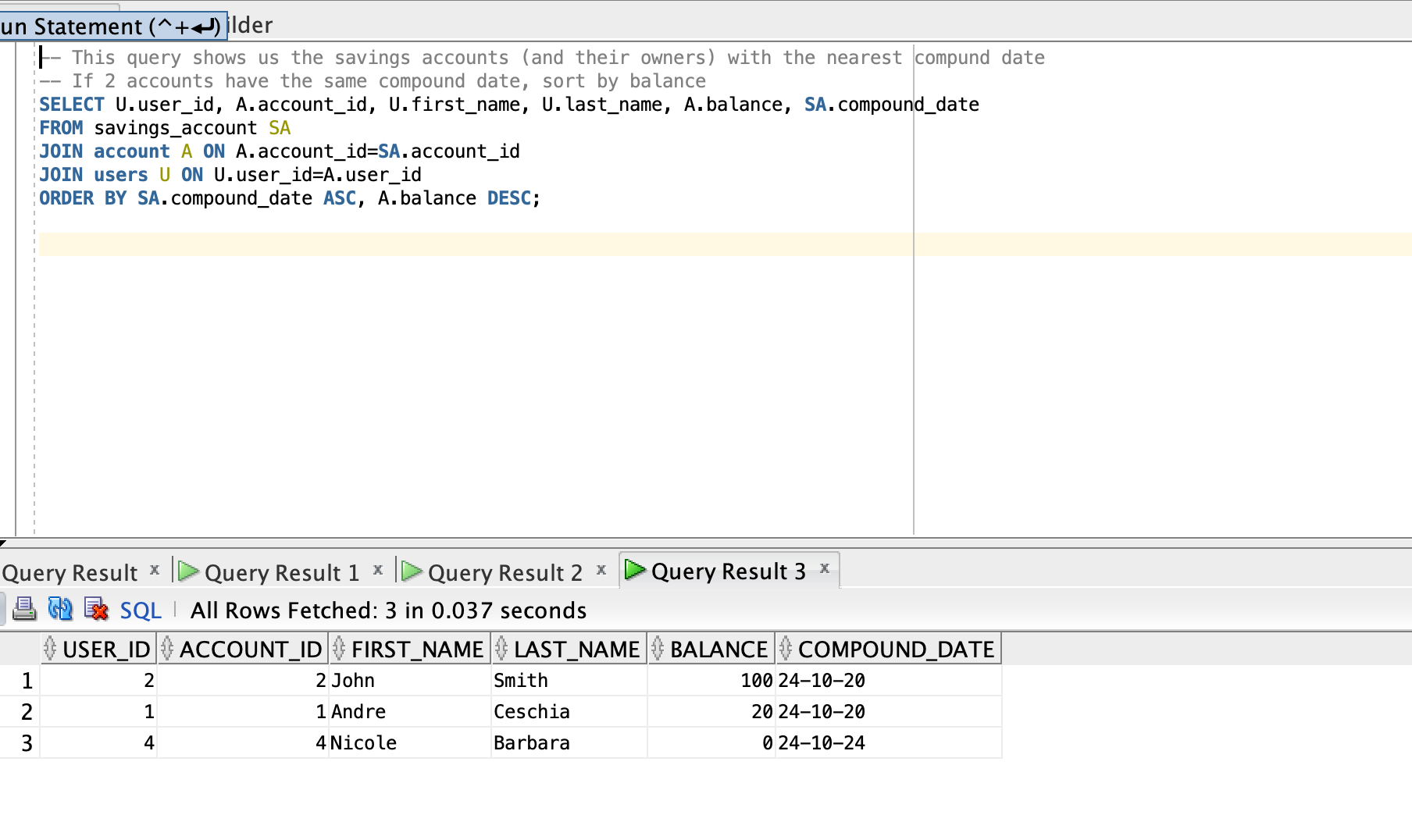
SELECT U.user\_id, A.account\_id, U.first\_name, U.last\_name, A.balance, SA.compound\_date

FROM savings\_account SA

JOIN account A ON A.account\_id=SA.account\_id

JOIN users U ON U.user\_id=A.user\_id

ORDER BY SA.compound\_date ASC, A.balance DESC;



-- This query shows us all chequing accounts sorted by balance ascending and their owners

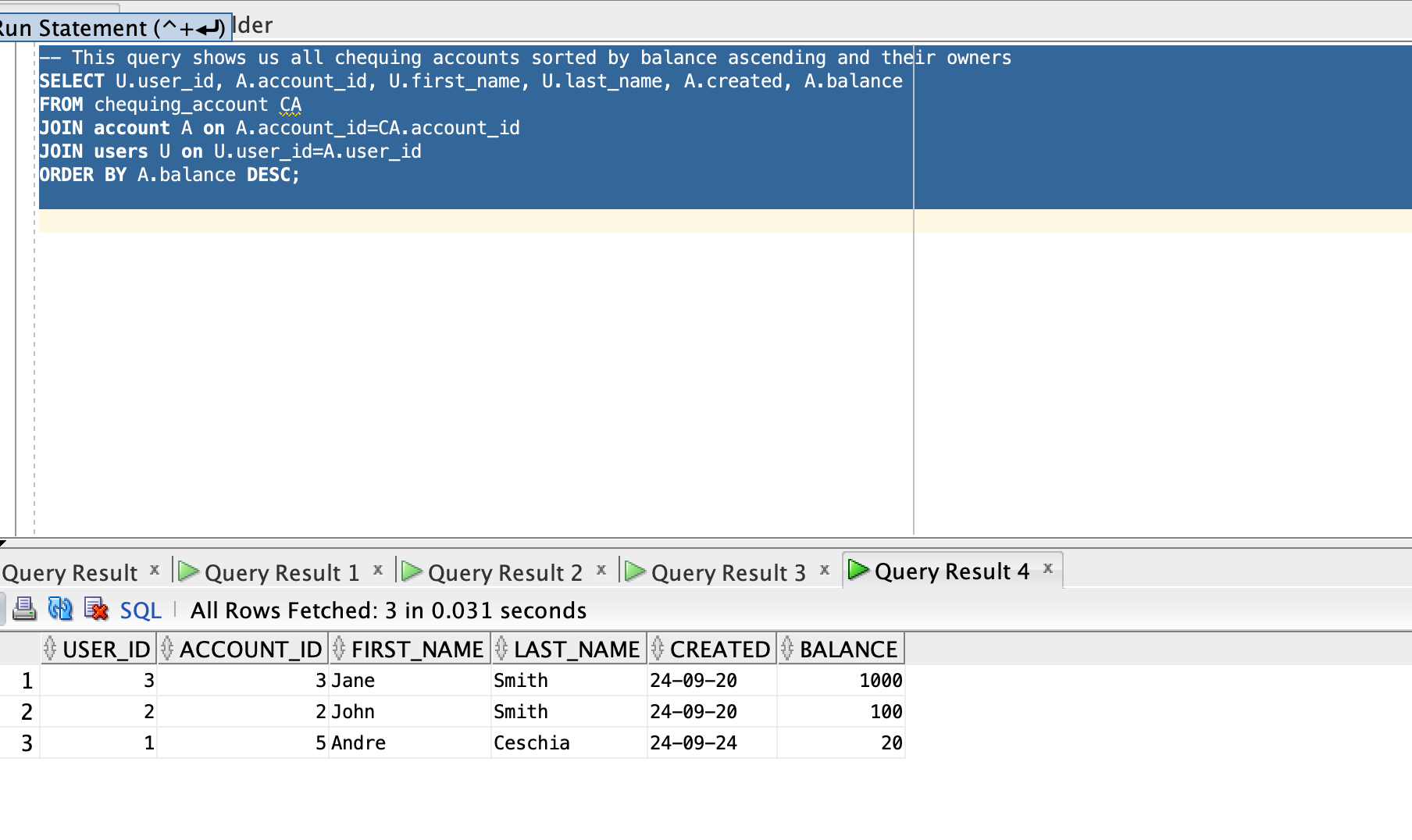
SELECT U.user\_id, A.account\_id, U.first\_name, U.last\_name, A.created, A.balance

FROM chequing\_account CA

JOIN account A on A.account\_id=CA.account\_id

JOIN users U on U.user\_id=A.user\_id

ORDER BY A.balance DESC;



-- This query shows us all users who currently owe money on their credit card

-- sorted by nearest due date

SELECT U.user\_id, A.account\_id, U.first\_name, U.last\_name, A.balance, CA.due\_date

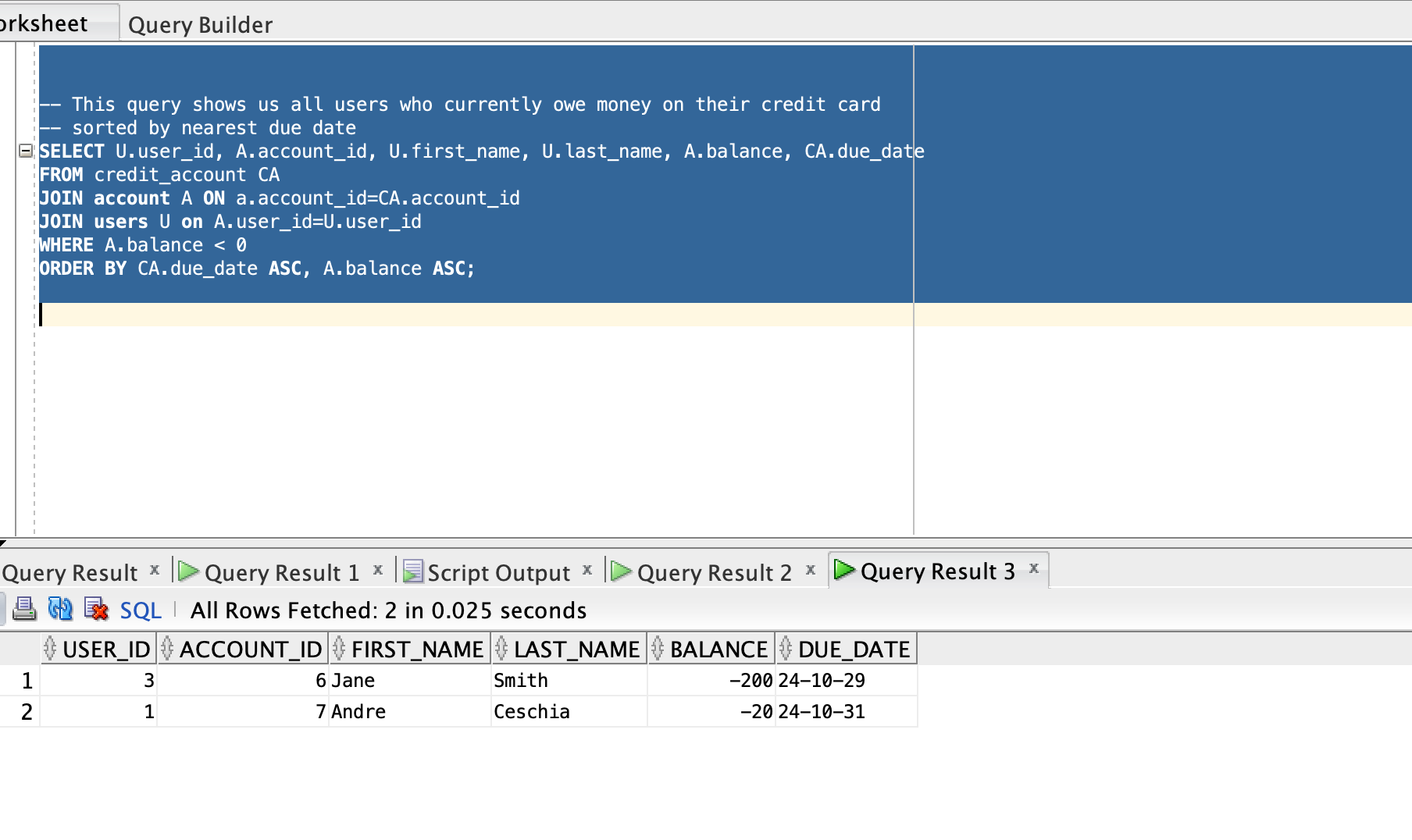
FROM credit\_account CA

JOIN account A ON a.account\_id=CA.account\_id

JOIN users U on A.user\_id=U.user\_id

WHERE A.balance < 0

ORDER BY CA.due\_date ASC, A.balance ASC;



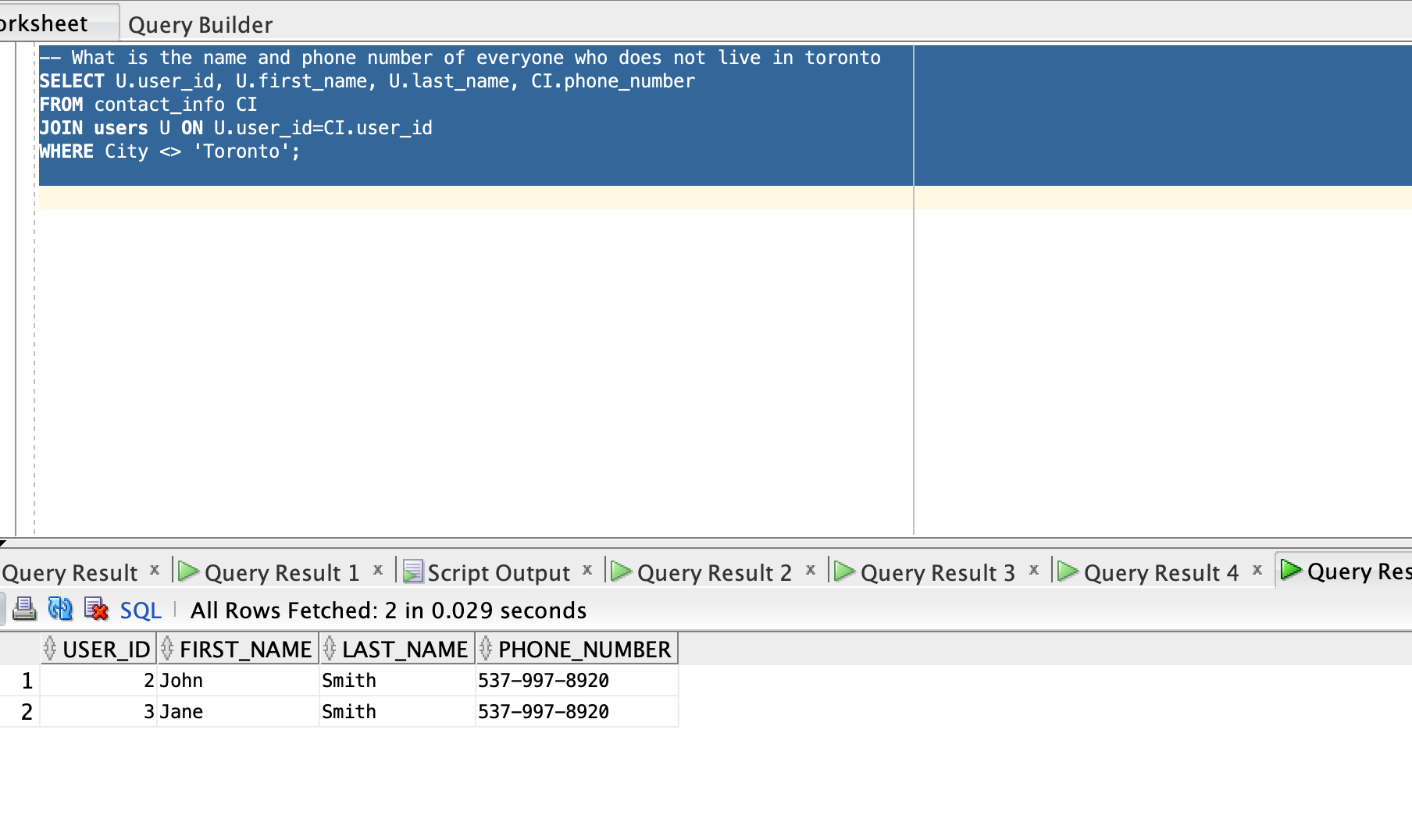
-- What is the name and phone number of everyone who does not live in toronto

SELECT U.user\_id, U.first\_name, U.last\_name, CI.phone\_number

FROM contact\_info CI

JOIN users U ON U.user\_id=CI.user\_id

WHERE City <> 'Toronto';



-- How many accounts does each person own?

-- Sorted by total accounts

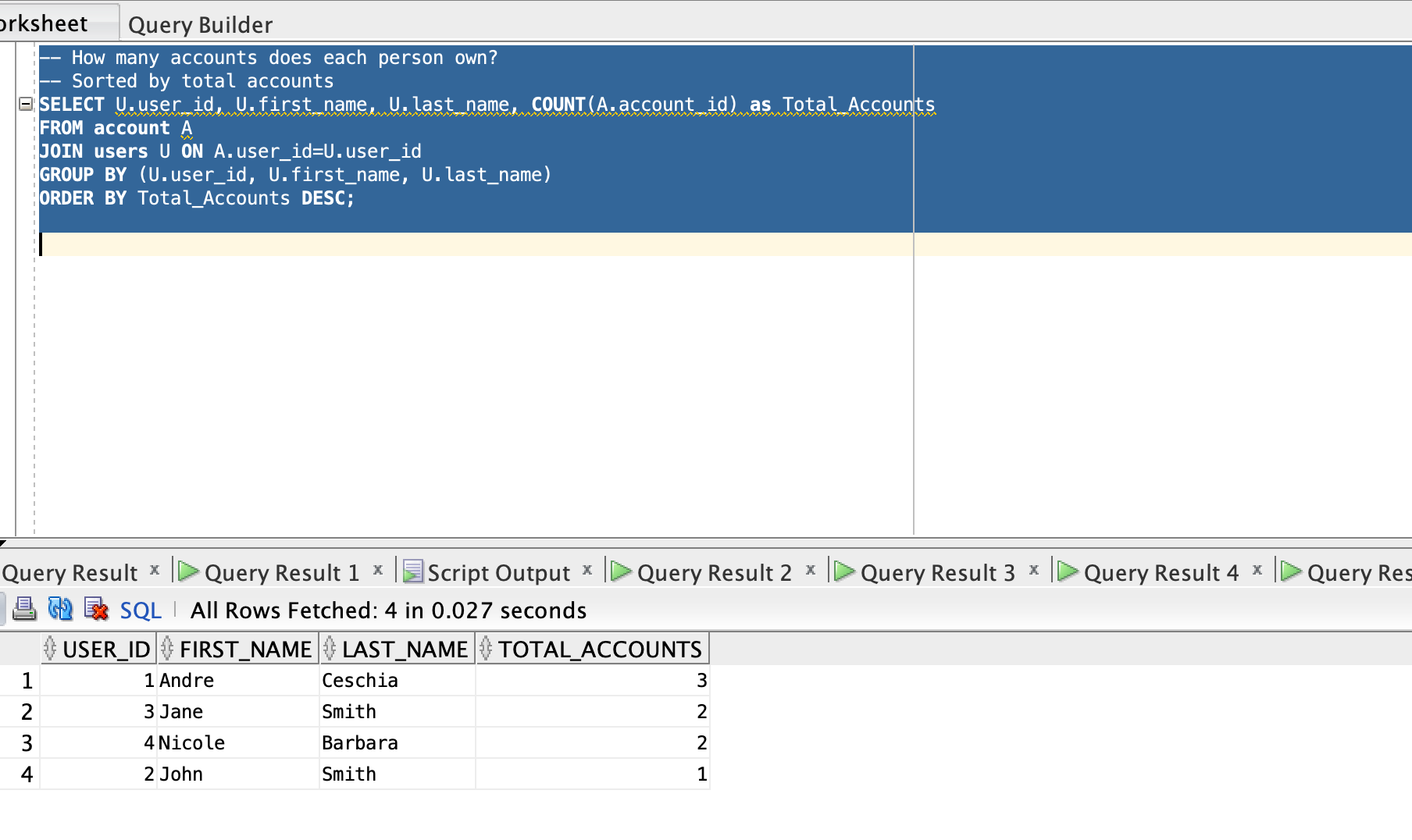
SELECT U.user\_id, U.first\_name, U.last\_name, COUNT(A.account\_id) as Total\_Accounts

FROM account A

JOIN users U ON A.user\_id=U.user\_id

GROUP BY (U.user\_id, U.first\_name, U.last\_name)

ORDER BY Total\_Accounts DESC;



-- What transactions has each person made on their accounts

-- What is their full name and email in case they need to contacted for suspected fraud

-- Sorted by user\_id so a user’s transactions are grouped together

SELECT U.user\_id, A.account\_id, U.first\_name, U.last\_name, CI.email, T.amount, T.description

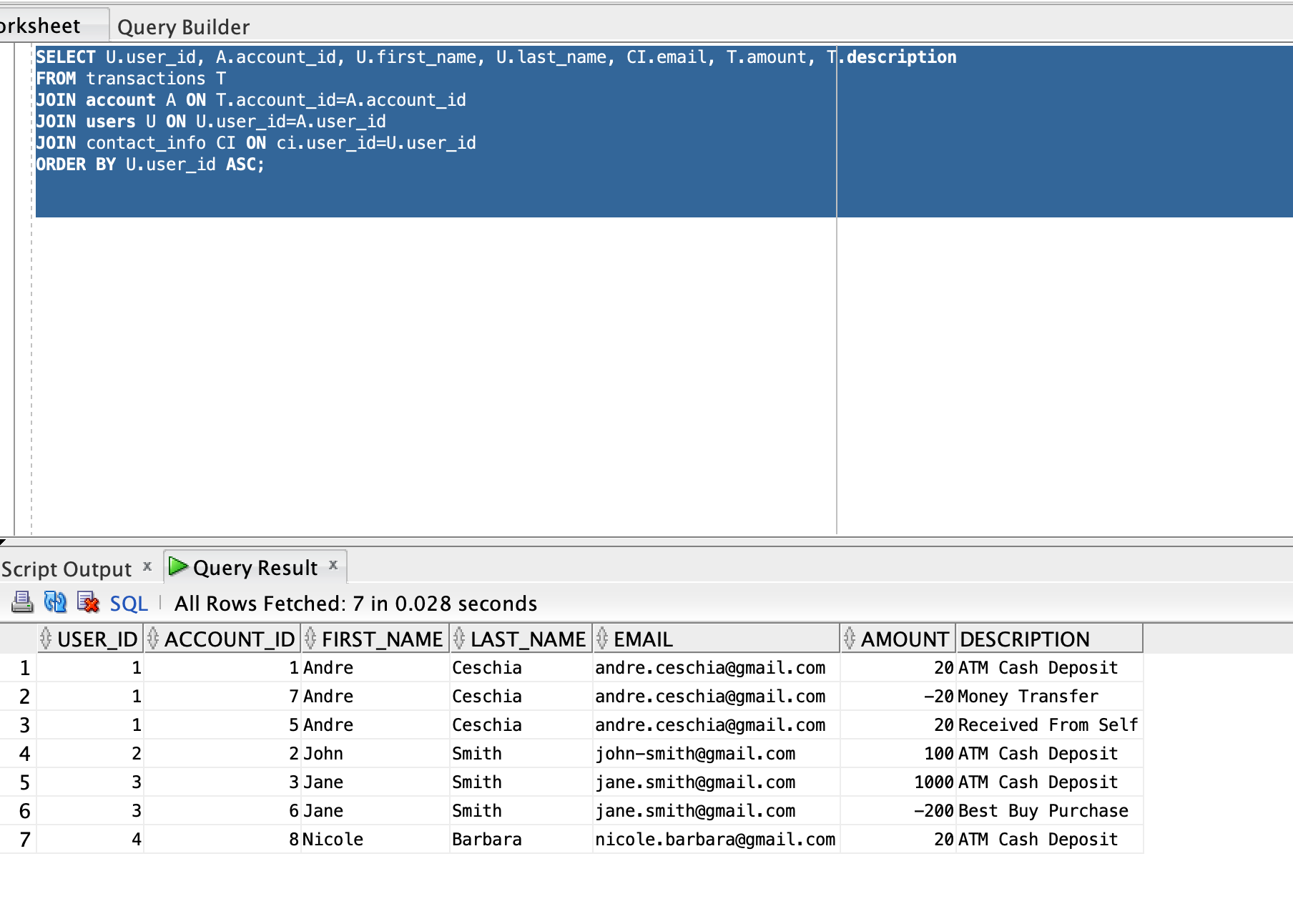
FROM transactions T

JOIN account A ON T.account\_id=A.account\_id

JOIN users U ON U.user\_id=A.user\_id

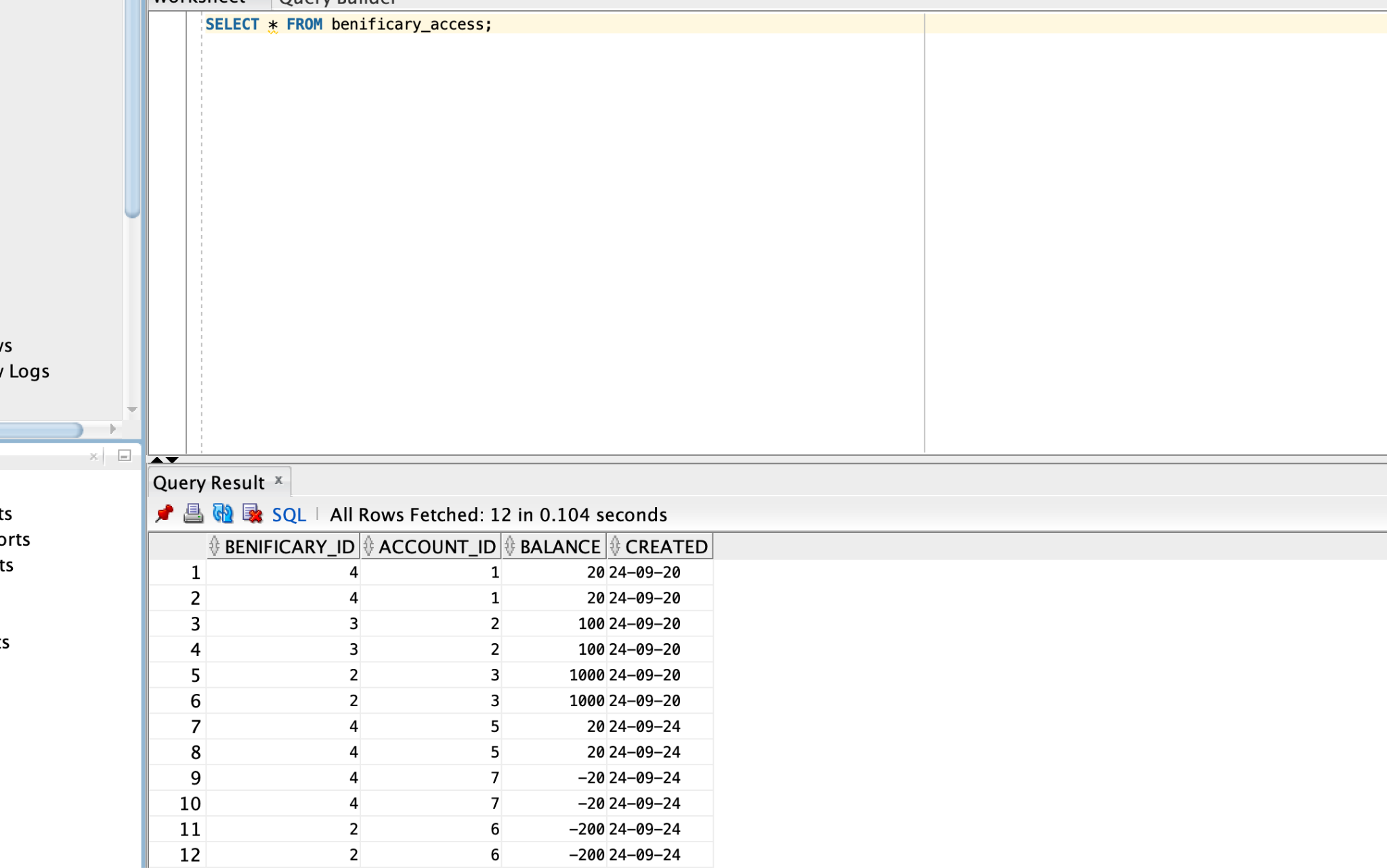
JOIN contact\_info CI ON ci.user\_id=U.user\_id

ORDER BY U.user\_id ASC;

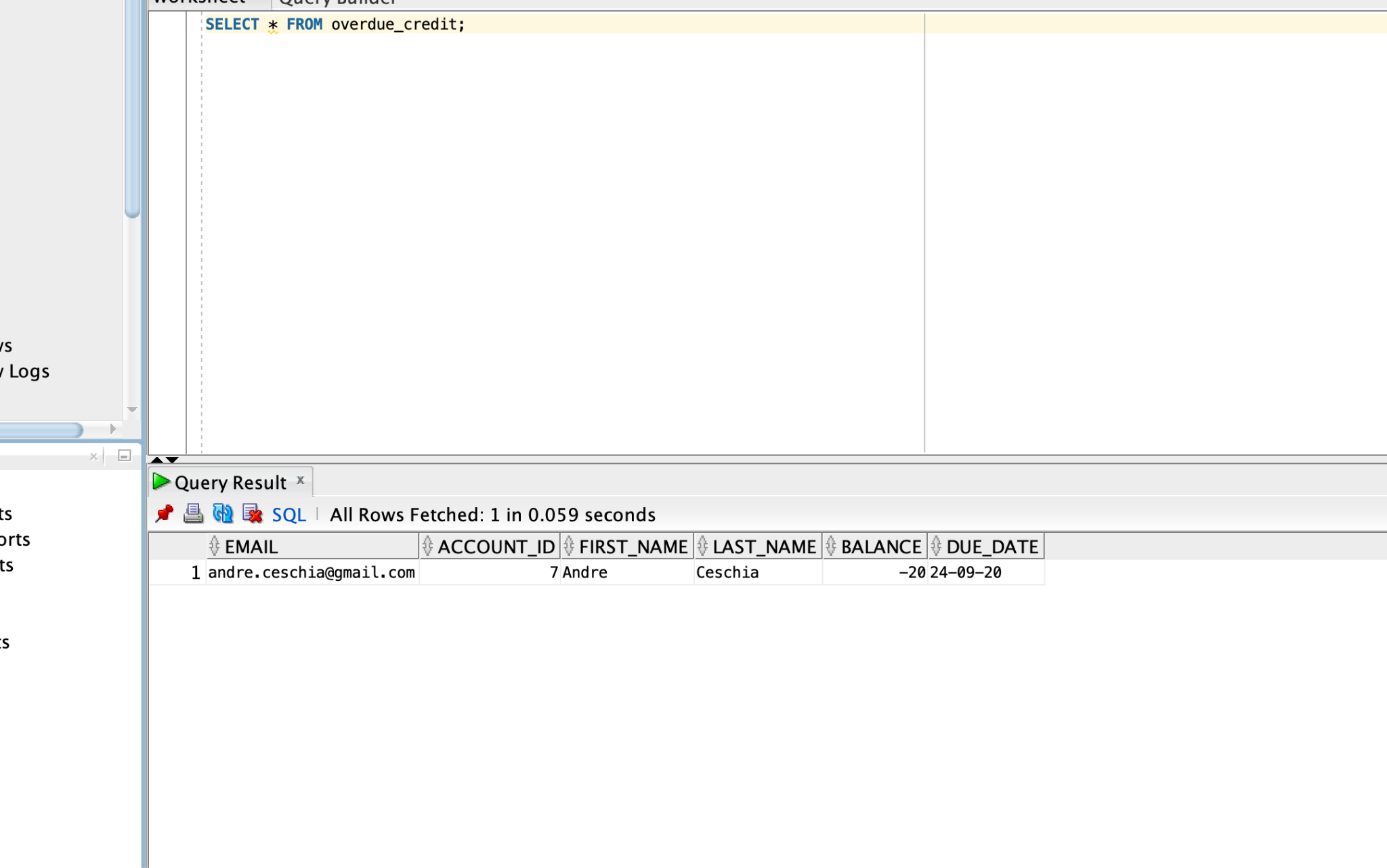


– View access

SELECT \* FROM benificary\_access



SELECT \* FROM overdue\_credit;



SELECT \* FROM user\_totals;

