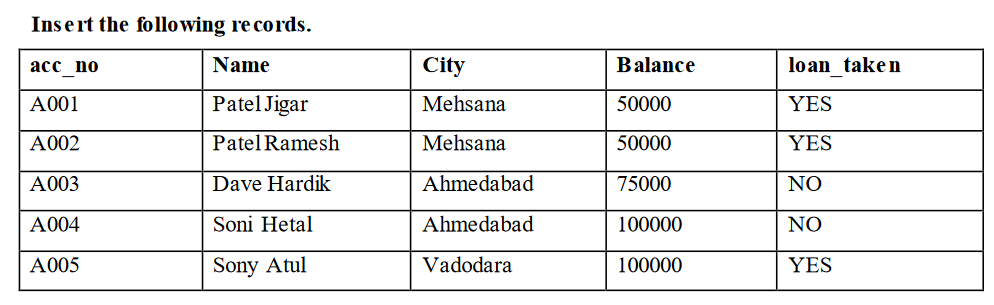
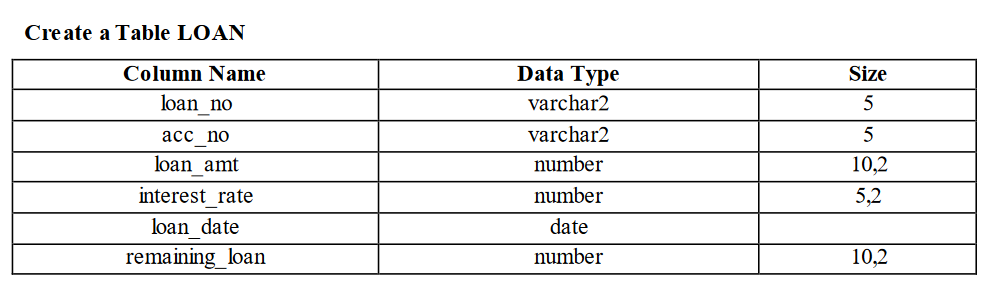
**PRACTICAL 4**

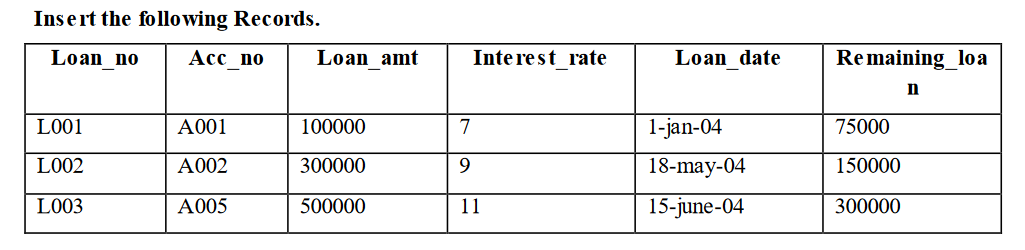
# Table ACCOUNT

# 

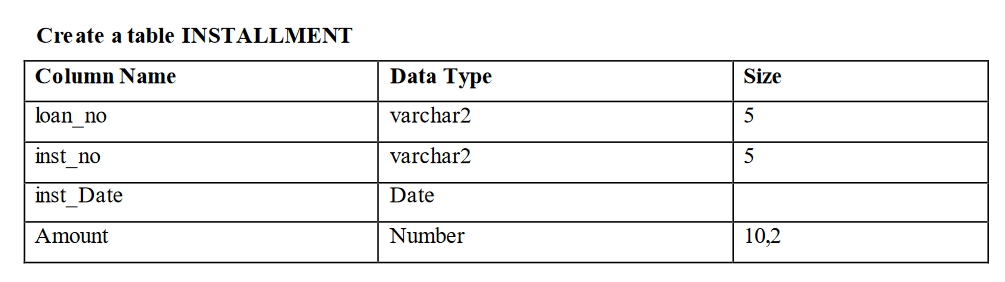


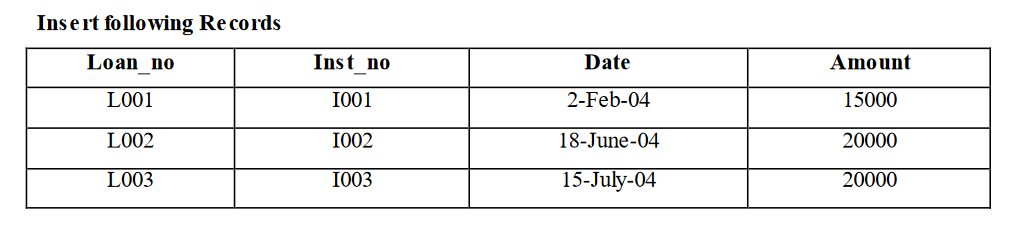
# Table LOAN

****

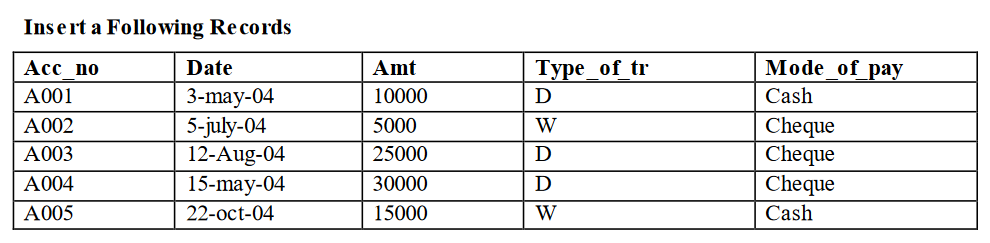


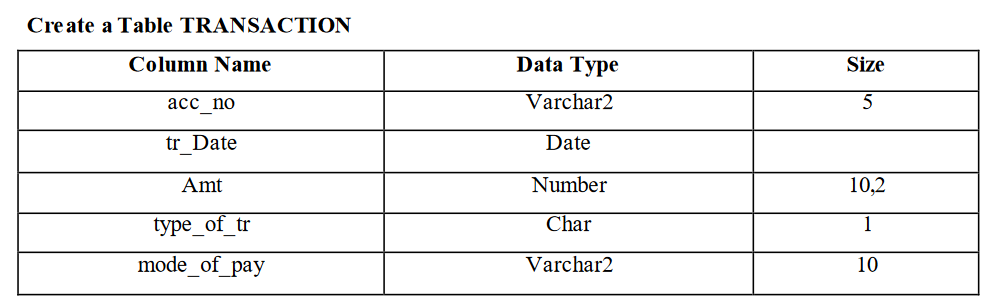
# Table INSTALLEMENT

****



# Table TRANSACTION



****

**List of queries**

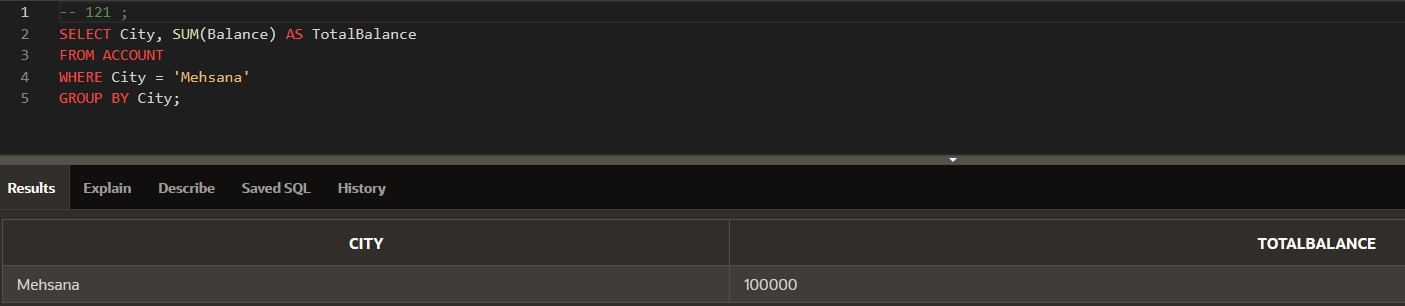
1. Display the sum of balance of account holders who’s live in same city ‘Mehsana’ using group by clause.

SELECT City, SUM(Balance) AS TotalBalance

FROM ACCOUNT\_OLD

WHERE City = 'Mehsana'

GROUP BY City;

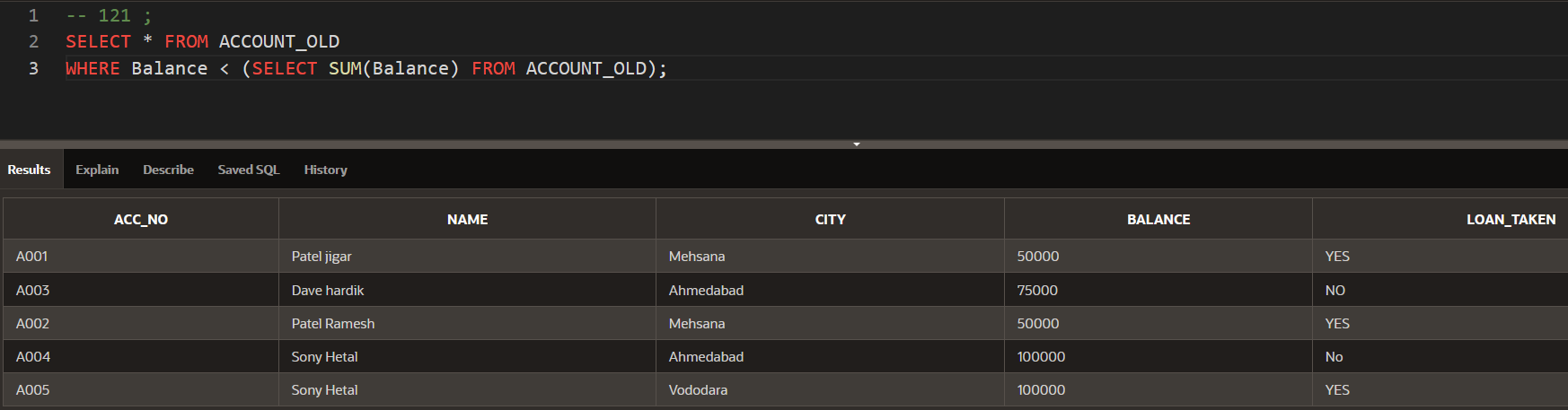


2. Display the information about account where balance is less than total balance of all account holders.

-- 121 ;

SELECT \* FROM ACCOUNT\_OLD

WHERE Balance < (SELECT SUM(Balance) FROM ACCOUNT\_OLD);



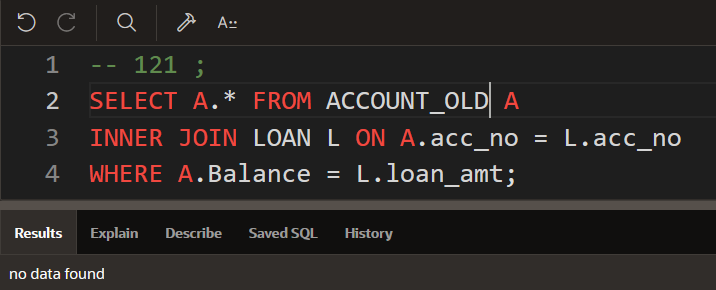
1. Displays the information of account holders whose loan amount and balance both are same.

-- 121 ;

SELECT A.\* FROM ACCOUNT\_OLD A

INNER JOIN LOAN L ON A.acc\_no = L.acc\_no

WHERE A.Balance = L.loan\_amt;



4. Display the name of city, remaining loan amount, account, date of loan and loan number of account holders.

-- 121 ;

SELECT A.City, L.remaining\_loan, A.acc\_no AS account, L.loan\_date AS date\_of\_loan, L.loan\_no

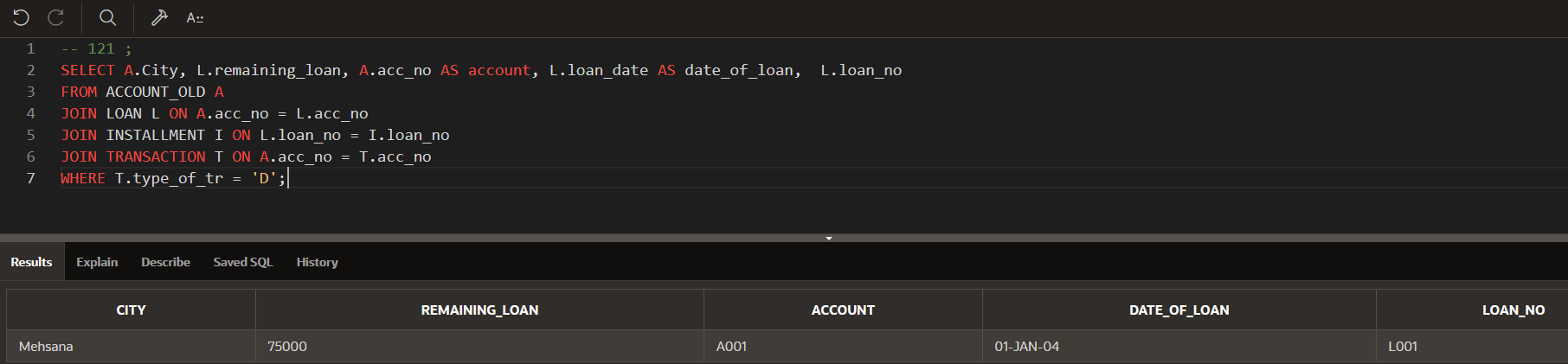
FROM ACCOUNT\_OLD A

JOIN LOAN L ON A.acc\_no = L.acc\_no

JOIN INSTALLMENT I ON L.loan\_no = I.loan\_no

JOIN TRANSACTION T ON A.acc\_no = T.acc\_no

WHERE T.type\_of\_tr = 'D';



5. Display name of account holder, installment number and installment amount Whose loan number is ‘L001’

-- 121 ;

SELECT

A.Name AS account\_holder\_name,

I.inst\_no AS installment\_number,

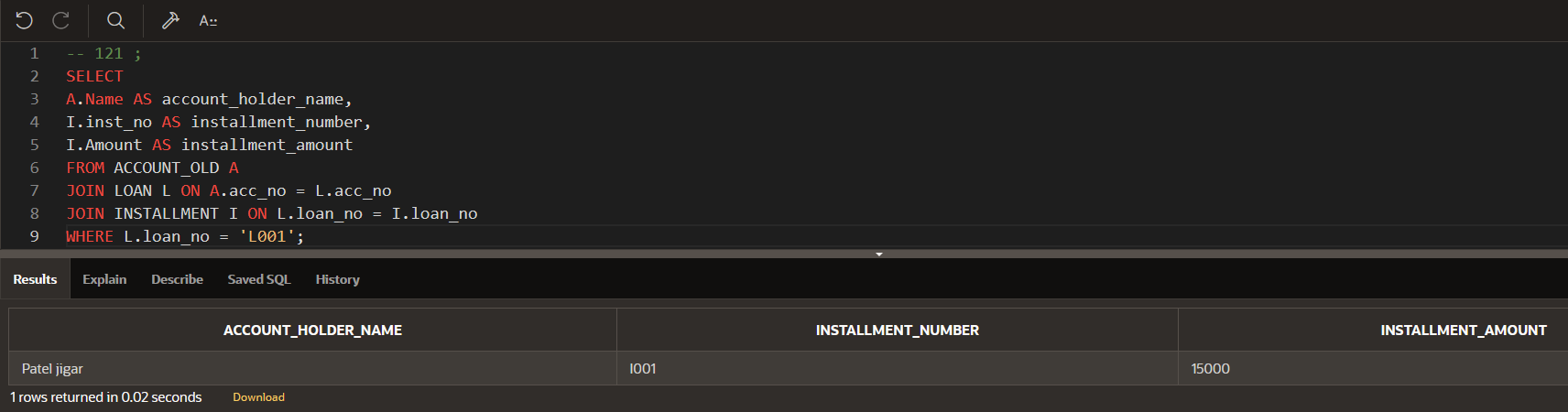
I.Amount AS installment\_amount

FROM ACCOUNT\_OLD A

JOIN LOAN L ON A.acc\_no = L.acc\_no

JOIN INSTALLMENT I ON L.loan\_no = I.loan\_no

WHERE L.loan\_no = 'L001';



6. Display name of account holder, city, loan amount and installment amount.

-- 121 ;

SELECT

A.Name AS account\_holder\_name,

A.City,

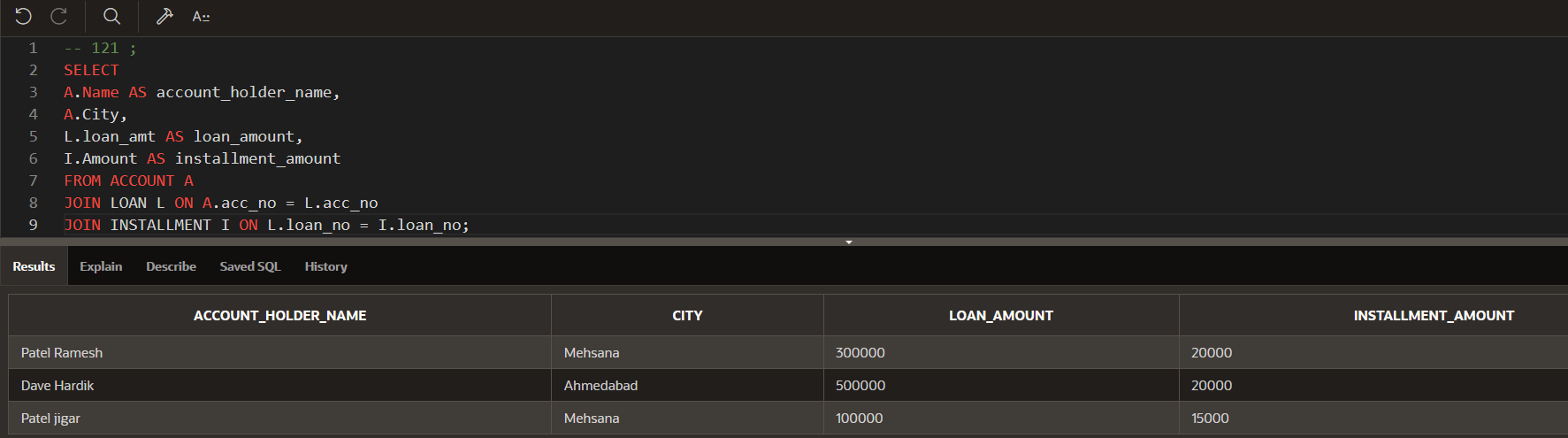
L.loan\_amt AS loan\_amount,

I.Amount AS installment\_amount

FROM ACCOUNT A

JOIN LOAN L ON A.acc\_no = L.acc\_no

JOIN INSTALLMENT I ON L.loan\_no = I.loan\_no;



7. Display the balance of account holders whose balance and remaining loan both are same.

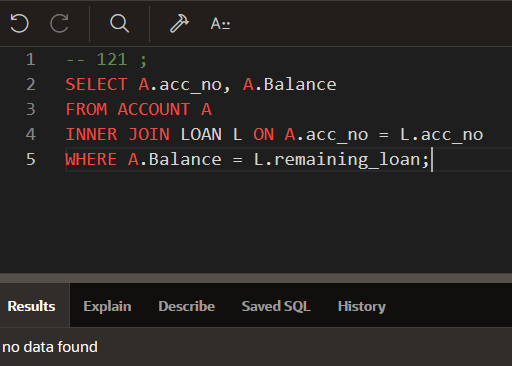
-- 121 ;

SELECT A.acc\_no, A.Balance

FROM ACCOUNT A

INNER JOIN LOAN L ON A.acc\_no = L.acc\_no

WHERE A.Balance = L.remaining\_loan;



8. List of all account holders’ information whose balance is same as loan amount.

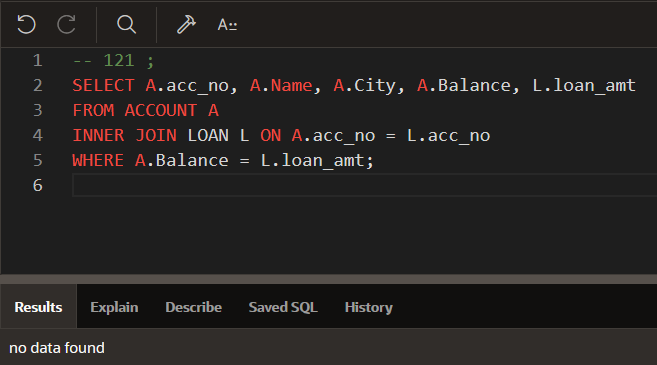
-- 121 ;

SELECT A.acc\_no, A.Name, A.City, A.Balance, L.loan\_amt

FROM ACCOUNT A

INNER JOIN LOAN L ON A.acc\_no = L.acc\_no

WHERE A.Balance = L.loan\_amt;



9. Display the amount of transaction, name of account holders, account number and mode

of payment whose mode of payment is ‘CHEQUE’.

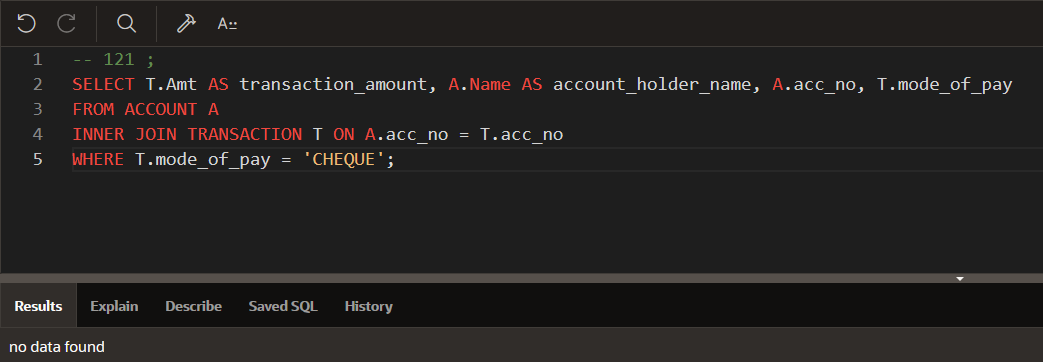
-- 121 ;

SELECT T.Amt AS transaction\_amount, A.Name AS account\_holder\_name, A.acc\_no, T.mode\_of\_pay

FROM ACCOUNT A

INNER JOIN TRANSACTION T ON A.acc\_no = T.acc\_no

WHERE T.mode\_of\_pay = 'CHEQUE';



10. Display account no, loan amount, amount of transaction.

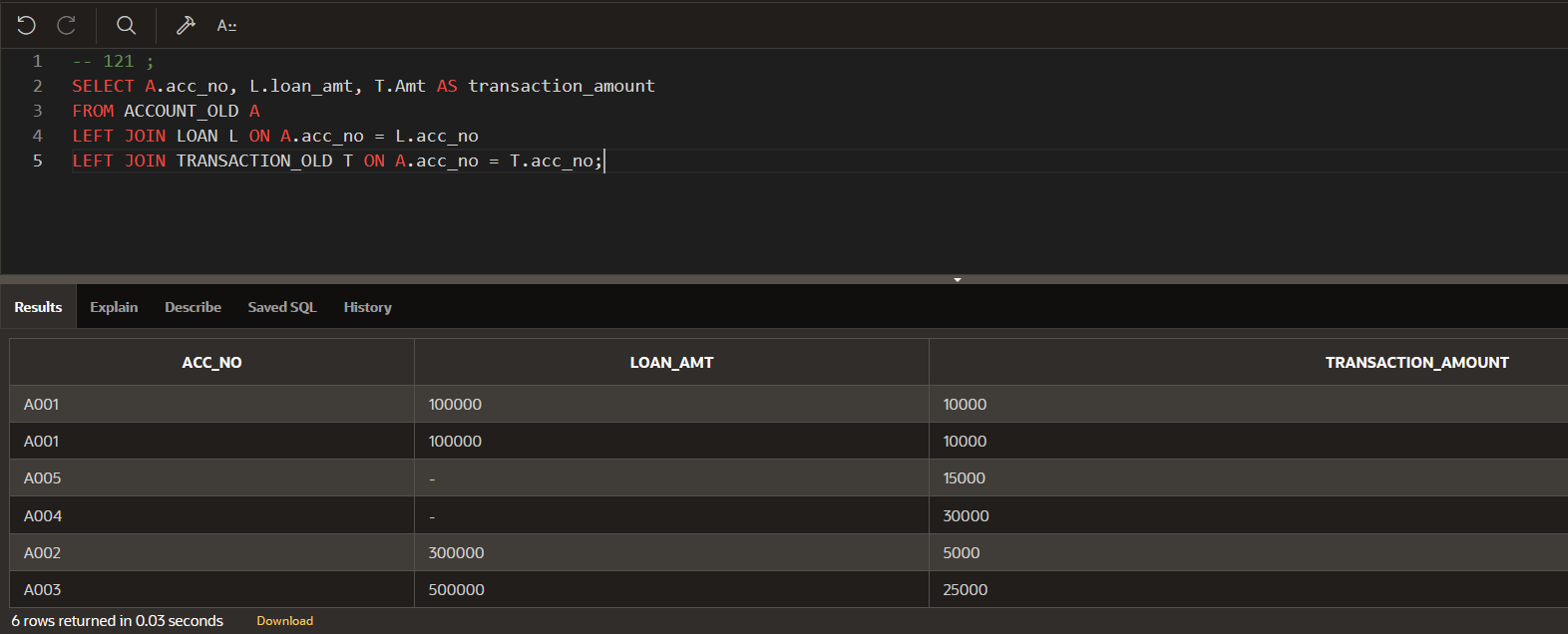
-- 121 ;

SELECT A.acc\_no, L.loan\_amt, T.Amt AS transaction\_amount

FROM ACCOUNT\_OLD A

LEFT JOIN LOAN L ON A.acc\_no = L.acc\_no

LEFT JOIN TRANSACTION\_OLD T ON A.acc\_no = T.acc\_no;



11. List of installment information whose amount is less than average amount of transaction.

-- 121 ;

SELECT I.inst\_no, I.Amount AS installment\_amount

FROM INSTALLMENT I

WHERE I.Amount < (SELECT AVG(T.Amt) FROM TRANSACTION\_OLD T);



12. Display the sum of installment amount and transaction amount.

-- 121 ;

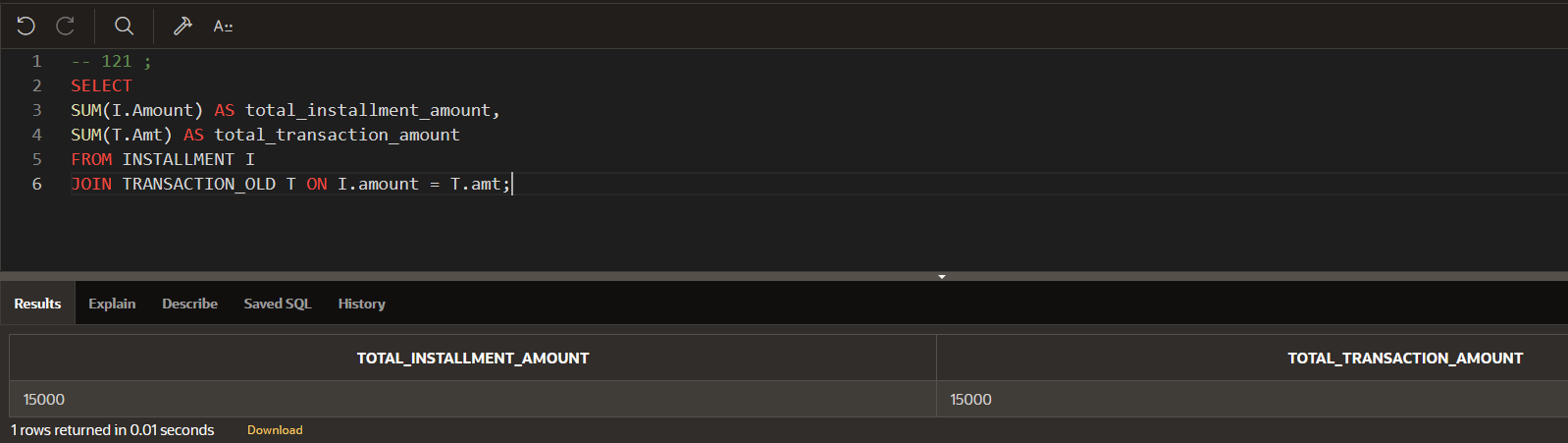
SELECT

SUM(I.Amount) AS total\_installment\_amount,

SUM(T.Amt) AS total\_transaction\_amount

FROM INSTALLMENT I

JOIN TRANSACTION\_OLD T ON I.amount = T.amt;



13. Display the balance and amount of transaction group by amount and balance.

-- 121 ;

SELECT

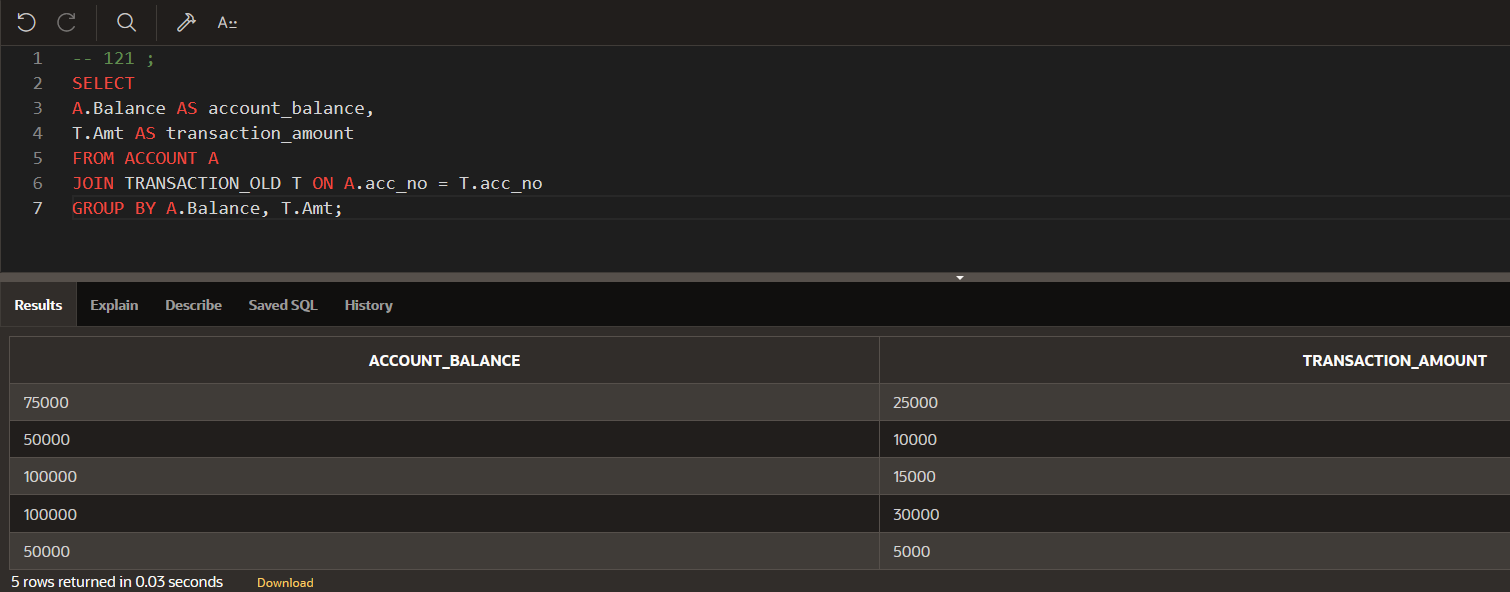
A.Balance AS account\_balance,

T.Amt AS transaction\_amount

FROM ACCOUNT A

JOIN TRANSACTION\_OLD T ON A.acc\_no = T.acc\_no

GROUP BY A.Balance, T.Amt;



14.List of installment number and account number of account holders.

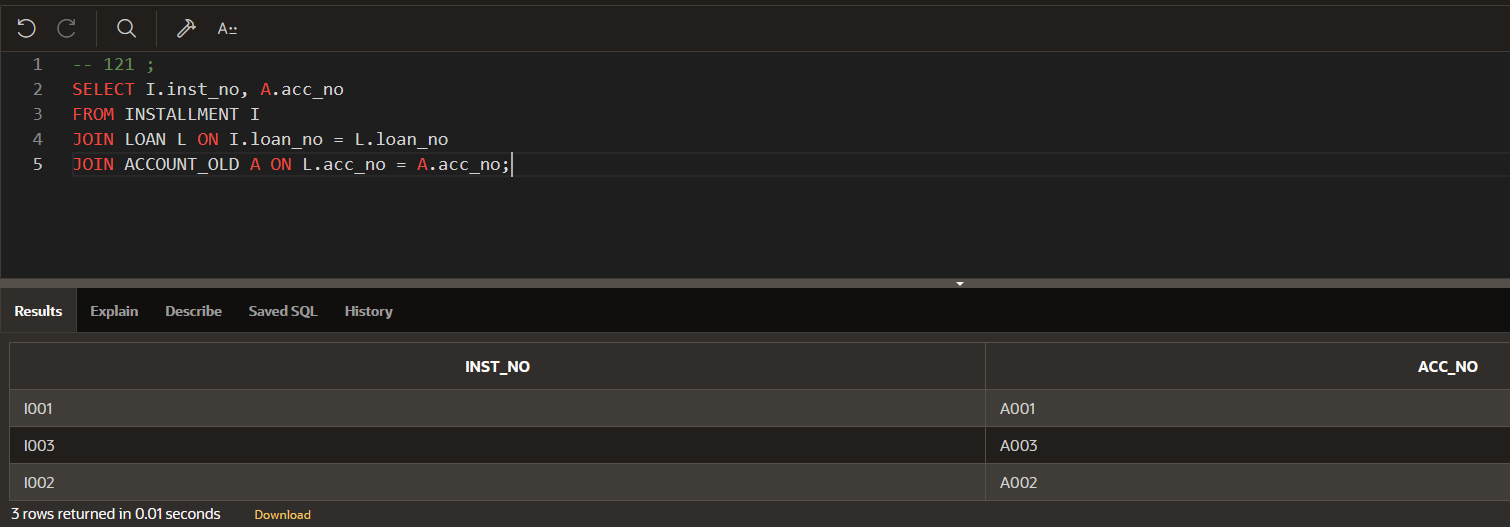
-- 121 ;

SELECT I.inst\_no, A.acc\_no

FROM INSTALLMENT I

JOIN LOAN L ON I.loan\_no = L.loan\_no

JOIN ACCOUNT\_OLD A ON L.acc\_no = A.acc\_no;



15. Display loan amount, transaction amount and mode of payment where transaction date and loan taken date both are done in month of ‘MAY’.

-- 121 ;

SELECT

L.loan\_amt,

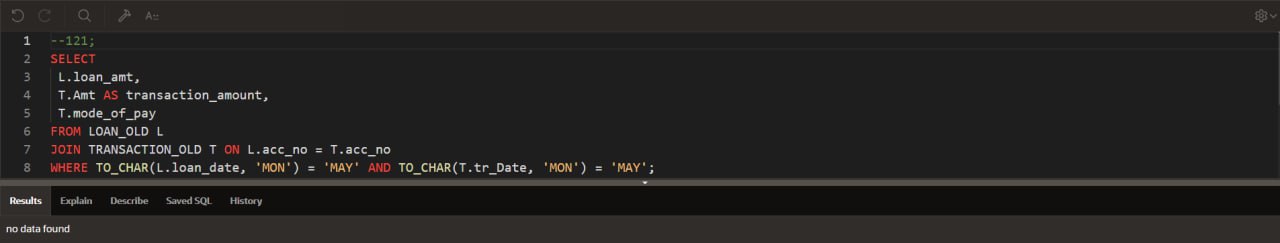
T.Amt AS transaction\_amount,

T.mode\_of\_pay

FROM LOAN L

JOIN TRANSACTION T ON L.acc\_no = T.acc\_no

WHERE TO\_CHAR(L.loan\_date, 'MON') = 'MAY' AND TO\_CHAR(T.tr\_Date, 'MON') = 'MAY';



16. Display all the information of installment and transaction where installment date and transaction date both are done in month of ‘JULY’.

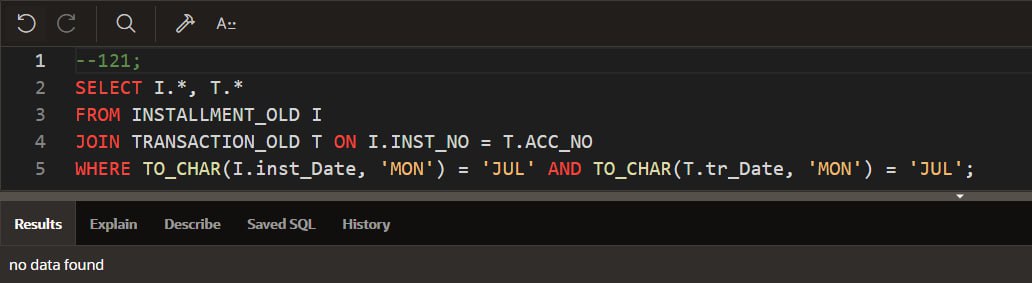
-- 121 ;

SELECT I.\*, T.\*

FROM INSTALLMENT I

JOIN TRANSACTION T ON I.INST\_NO = T.ACC\_NO

WHERE TO\_CHAR(I.inst\_Date, 'MON') = 'JUL' AND TO\_CHAR(T.tr\_Date, 'MON') = 'JUL';



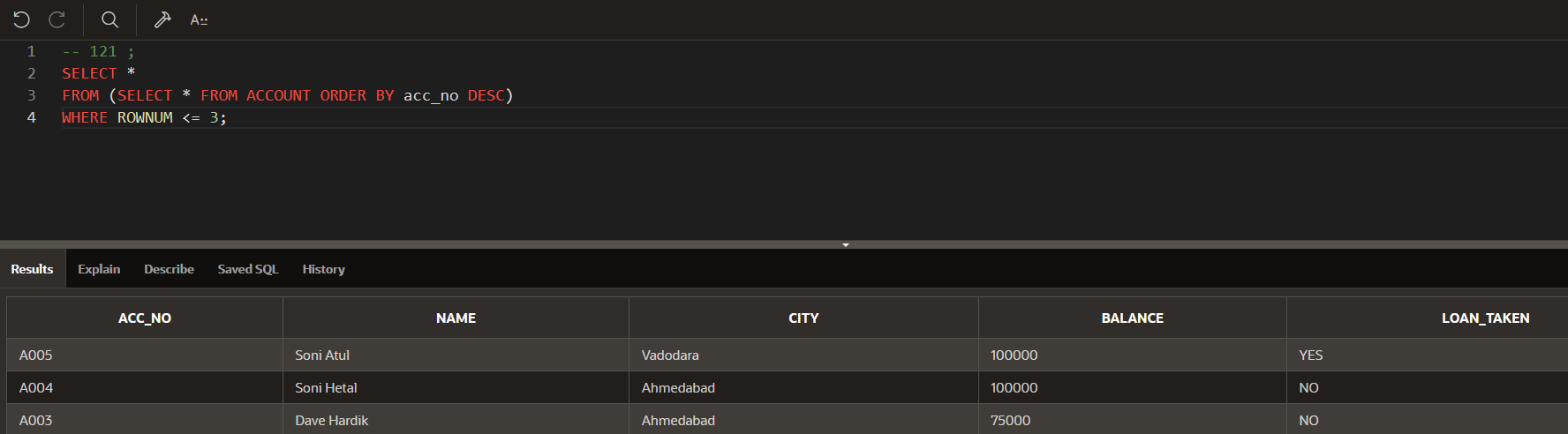
17. Display the last three row of account table.

-- 121 ;

SELECT \*

FROM (SELECT \* FROM ACCOUNT ORDER BY acc\_no DESC)

WHERE ROWNUM <= 3;



18. Display the balance, mode of payment, loan taken status whose mode of payment is ‘CHEQUE’

and loan taken is ‘YES’.

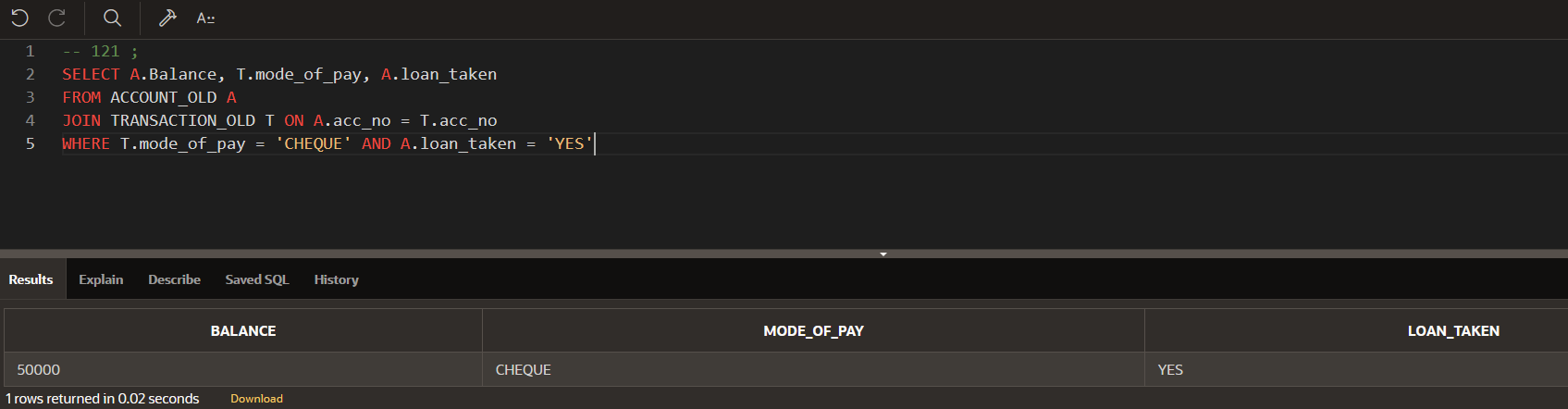
-- 121 ;

SELECT A.Balance, T.mode\_of\_pay, A.loan\_taken

FROM ACCOUNT\_OLD A

JOIN TRANSACTION\_OLD T ON A.acc\_no = T.acc\_no

WHERE T.mode\_of\_pay = 'CHEQUE' AND A.loan\_taken = 'YES'



19. Retrieve only rows 2 to 5 from account table.

-- 121 ;

SELECT \*

FROM (SELECT a.\*, ROWNUM rnum

FROM (SELECT \* FROM ACCOUNT\_OLD ORDER BY acc\_no) a

WHERE ROWNUM <= 5)

WHERE rnum >= 2

