Name: Patel anuj E.no.: 20012011077 Class: CE-3AB2

PRACTICAL: 4

NOTE: for following queries use TABLES of PRACTICAL-1

GROUP BY, HAVING CLAUSE, JOIN AND NESTED QUERIES

1.Display the sum of balance of account holders who's live in same city 'Mehsana' using group by clause. select sum(balance), city from account group by city having city='Mehsana'

SUM(BALANCE)	CITY
100000	Mehsana

1 rows returned in 0.02 seconds CSV Export

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

select *from account where balance<(select avg(balance)from account)

ACC_NO	NAME	CITY	BALANCE	LOAN_TAKEN
A001	Patel Jigar	Mehsana	50000	Yes
A002	Patel Ramesh	Mehsana	50000	Yes

2 rows returned in 0.00 seconds CSV Export

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

select *from account,loan where account.acc no = loan.acc no and balance = loan amt

no data found

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

city,remaining_loan,account.acc_no,loan_date,loan_no from account,loan where account.acc_no = loan.acc_no

CITY	REMAINING_LOAN	ACC_NO	LOAN_DATE	LOAN_NO
Mehsana	75000	A001	01-JAN-04	L001
Mehsana	150000	A002	18-MAY-04	L002
Vadodra	300000	A005	15-JUN-04	L003

³ rows returned in 0.00 seconds

CSV Export

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

select name,inst_no,amount from account,loan,installment where account.acc_no=loan.acc_no and loan.loan_no=installment.loan_no and loan.loan_no='L001'

NAME	INST_NO	AMOUNT
Patel Jigar	1001	15000

1 rows returned in 0.00 seconds CSV Export

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

select name, city, loan_amt, amount from account, loan, installment where account.acc_no=loan.acc_no and loan.loan_no=installment.loan_no

NAME	CITY	LOAN_AMT	AMOUNT
Patel Jigar	Mehsana	100000	15000
Patel Ramesh	Mehsana	300000	20000
Sony Atul	Vadodra	500000	20000

3 rows returned in 0.00 seconds CSV Export

7. Display the balance of account holders whose balance and remaining loan both are same. select account.balance from account,loan where account.acc no = loan.acc no and balance = remaining_loan

no data found

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

select account.name from account,loan where account.balance = loan.loan_amt



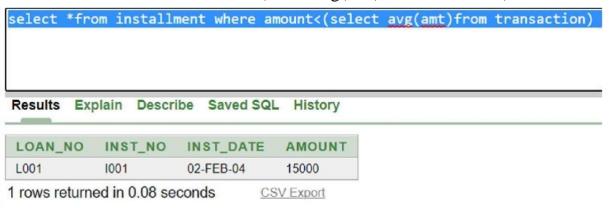
2 rows returned in 0.00 seconds CSV Export

9. Display the amount of transaction, name of account holders, account number and mode of payment whose mode of payment is 'CHEQUE'. select amt,name,acc_no,mode_of_pay from account natural join transaction where mode of pay='Cheque'

select amt, name, acc no, mode of pay from account natural join transaction where mode of pay='Cheque' Results Explain Describe Saved SQL History AMT NAME ACC_NO MODE OF PAY 5000 Patel Ramesh A002 Cheque 25000 Dave Hardik A003 Cheque Soni Hetal 30000 A004 Cheque 3 rows returned in 0.00 seconds **CSV Export**

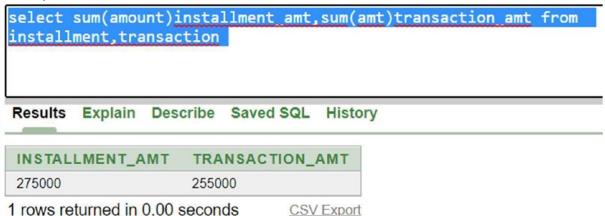
10. List of installment information whose amount is less than average amount of transaction.

select *from installment where amount<(select avg(amt)from transaction)



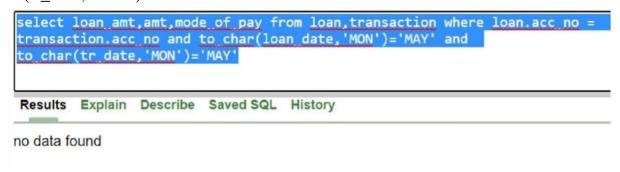
11. Display the sum of installment amount and transaction amount.

select sum(amount)installment_amt, sum(amt)transaction_amt from installment,transaction



12. Display loan amount, transaction amount and mode of payment where transaction date and loan taken date both are done in month of 'MAY'.

select loan_amt,amt,mode_of_pay from loan,transaction where loan.acc_no = transaction.acc_no and to_char(loan_date,'MON')='MAY' and to_char(tr_date,'MON')='MAY'



13. Display the last three row of account table. select *from account minus select *from account where rownum<=(select count(rownum)-3 from account)



14. Retrieve only rows 2 to 5 from account table. select *from account where rownum<=5 minus select *from account where rownum<2

select *from account where rownum<=5 minus select *from account where rownum<2

Results Explain Describe Saved SQL History

NAME	CITY	BALANCE	LOAN_TAKEN
Patel Ramesh	Mehsana	50000	Yes
Dave Hardik	Ahmedabad	75000	No
Soni Hetal	Ahmedabad	100000	No
Sony Atul	Vadodra	100000	Yes
	Patel Ramesh Dave Hardik Soni Hetal	Patel Ramesh Mehsana Dave Hardik Ahmedabad Soni Hetal Ahmedabad	Patel Ramesh Mehsana 50000 Dave Hardik Ahmedabad 75000 Soni Hetal Ahmedabad 100000

⁴ rows returned in 0.01 seconds CSV Export