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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	I001	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

NAME
Soni Hetal
Sony Atul

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
30000	Soni Hetal	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)

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

Results Explain Describe Saved SQL History

LOAN_NO	INST_NO	INST_DATE	AMOUNT
L001	I001	02-FEB-04	15000

1 rows returned in 0.08 seconds

[CSV Export](#)

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

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

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

Results Explain Describe Saved SQL History

INSTALLMENT_AMT	TRANSACTION_AMT
275000	255000

1 rows returned in 0.00 seconds

[CSV Export](#)

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'

```
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'
```

Results Explain Describe Saved SQL History

no data found

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

```
select *from account minus select *from account where rownum<=(select count(rownum)-3 from account)
```

Results Explain Describe Saved SQL History

ACC_NO	NAME	CITY	BALANCE	LOAN_TAKEN
A003	Dave Hardik	Ahmedabad	75000	No
A004	Soni Hetal	Ahmedabad	100000	No
A005	Sony Atul	Vadodra	100000	Yes

3 rows returned in 0.00 seconds [CSV Export](#)

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

ACC_NO	NAME	CITY	BALANCE	LOAN_TAKEN
A002	Patel Ramesh	Mehsana	50000	Yes
A003	Dave Hardik	Ahmedabad	75000	No
A004	Soni Hetal	Ahmedabad	100000	No
A005	Sony Atul	Vadodra	100000	Yes

4 rows returned in 0.01 seconds

[CSV Export](#)