HOTEL CHAIN

MYSQL QUERIES ON NORMALIZATION PROJECT

GROUP 16

Nimra Ashraf & Noor Fatima 110829 & 110830 MORNING

Submitted to:

Mam Gehrish Khan

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DESCRIPTION

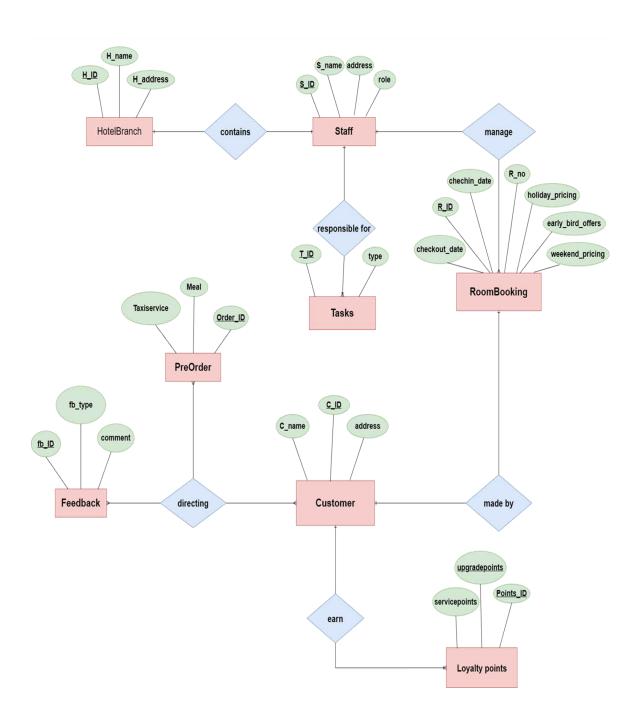
SQL stands for structure query language. It is a widely used, open source relational database management system.

A hotel chain management system provides a centralized platform for managing multiple hotel properties within a chain. This database would store information about different hotels, including room details, staff managing, reservations, guest records pricing information etc.

Pros:

- Scalability
- Reliability
- Cost effectiveness
- Flexibility

ENTITY RELATIONSHIP DIAGRAM



RELATIONAL SCHEMA

- 1.**hotel_branch** (<u>h_id</u>, h_name, h_address, staff_id)
- 2.**staff**(s_id, s_name, s_address, s_role)
- 3.**room_booking** (R_id, R_no, check_in_date, check_out_date, weekend_pricing, holiday_pricing, early_bird_offers, s_id)
- 4. customer (c_id, c_name, c_address, r_id)
- 5.loyalty_points (points_id, upgrade_points, service_points, <u>cus_id</u>)
- 6.**feedback** (<u>f_id</u>, f_type, comment, <u>customer_id</u>)
- 7.**pre_order** (<u>order_id</u>, meal, taxi_service, <u>cust_id</u>)
- 8. task (\underline{t} id, type, \underline{s} id)

SQL QUERIES

Show DATABASES

Show all databases and tables placed in a database MySQL use the following command:

- ⇒ show databases;
- \Rightarrow show tables;

CREATE DATABASE & TABLES

Create a new database or table.

- ⇒ create database:
- ⇒ create table table_name (attribute datatype (size), ...);

USING DATABASE

Use a database already saved in MySQL.

⇒ use database database_name;

DESCRIBE TABLES

To see the constraints we have assigned to tables, DESCRIBE keyword is used.

⇒ DESCRIBE table_name;

SELECT

Used to retrieve rows selected from one or more tables.

- ⇒ Select * from table_name;
- ⇒ Select attribute1_name from table_name where attribute2_name= '---';

INSERT INTO

Insert values in tables.

⇒ INSERT INTO table name values ('attribute' datatype (value),);

ALTER TABLES

Used for many purposes such as:

- 1. To rename a column of a table
- ⇒ ALTER table table_name RENAME COLUMN column_name from existing_name to new_name;
- 2. To add a new column in a table
- ⇒ ALTER table table_name ADD column datatype (size);
- 3. To make an attribute foreign key
- ⇒ ALTER table table_name ADD column_name FOREIGN KEY REFERENCES referencetable_name (P.K);

TABLE UPDATION

To reset the values of attributes in a table.

⇒ Update table_name set attribute='value' WHERE attribute_PK='target-value';

TABLE CONTRAINTS

There are two constraints for tables, Primary key and Foreign key.

Primary Key:

The attribute of a table on which all the other attributes of that depend.

Foreign Key:

When Primary key of a table is used in another table, it becomes Foreign key.

⇒ ALTER table table_name ADD FOREIGN KEY (key_name)
REFERENCES reference_table (P.K);

Arithmetic Operations

Arithmetic operations include operators such as +, -, *, / etc.

select attribute operator value from table;

Logical / Relational Operations

Logical operations include operators such as >, <, <=, >=, !=, == etc. to relate any two attributes of a table.

⇒ select attribute1 from table_name where attribute2 relational operator value;

Aggregation Functions

Aggregate functions include avg, max, min etc. operations.

⇒ select aggregate_function (attribute) from table;

ORDER BY

ORDER BY keyword is used to sort the values of tables in ascending or descending order. By default ascending order is

```
⇒ select * from table ORDER BY attribute DESC;
```

⇒ select * from table ORDER BY attribute ASC;

GROUP BY

GROUP BY clause is important used to group rows from a table based on the values of one or more column Used with aggregate functions like **AVG**, **MAX**, **MIN**, **SUM and COUNT** to perform calculations on grouped data.

Syntax:

⇒ select aggreagate_function (attribute) from table GROUP BY attributes;

AS

It allows for temporary renaming with a query, which can simplify complex queries and result sets.

Where

This clause is used to filter records. It is used to extract only those records that fulfill a specified condition.

DISTINCT

The DISTINCT keyword in MySQL is used to remove duplicate records from the results of a SELECT query

Syntax:

⇒ select DISTINCT attribute from table;

BETWEEN

The BETWEEN clause is used to show the values/contents of the table between a given limit. It filter the result set within a specified range.

Syntax:

⇒ select column_name from table where column_name BETWEEN value1 AND value2;

Count & Count (*)

This function counts all rows in a table regardless of whether they contain NULL values.

Syntax:

- ⇒ select count (*) attribute_name from table;
- ⇒ select count (attribute_name) from table;

HAVING

The HAVING clause is similar to the WHERE clause but is specifically applied after grouping and aggregation.

Syntax:

⇒ select aggreagate_function (attribute) from table GROUP BY attributes HAVING count (attribute) >1;

AND & OR

The AND & OR operators are used to filter records based on more than one conditions:

- The AND operator displays a record if all the conditions separated by AND are true.
- The AND operator displays a record if any of the conditions separated by AND are true.

IN

The IN operator allows you to specify multiple values in a where clause. It is a shorthand for multiple OR conditions.

⇒ SELECT attribute_name(s) FROM table_name WHERE attribute_name IN (value1, value2, ...);

LIKE

The LIKE operator is used in a WHERE clause to search for a specified pattern in a column.

Syntax:

- ⇒ SELECT column1...FROM table_name WHERE columnN LIKE pattern;
- 1. The percent sign (%) represents zero, one, or multiple characters
- **2.** The underscore sign (_) represents one, single character

IS NULL & IS NOT NULL

These keywords are used for checking that the values of attributes checked

Syntax:

NULL or not.

- ⇒ select attribute_name from table where attribute IS NULL;
- ⇒ select attribute_name from table where attribute IS NOT NULL;

JOINS

Joins allows to retrieve related data from multiple tables in a single query, avoiding the need for different separate queries.

Syntax:

⇒ Select column_list from table1 JOIN table2 ON table1. column = table1;

INNER JOIN:

The joins in which both the tables have matching values in them are called inner join.

Left Join:

This join return all rows from the left table and matching rows in right table.

Cross join:

A cross join is type of join that return cartesian product of rows from the tables in the join.

Equi join:

It is join operation in sql that combines two table based on a matching column between them.

Right Join:

This join return all rows from right table and matching rows from left table.

VIEWS

A MySQL view is a predefined select query that operates on existing data without duplicating it. A view acts as a virtual table.

Syntax:

⇒ create or replace VIEW view_name AS select column1, column2 from table_name;

DELETE

DELETE statement is used to delete rows in a table. It deletes a specific row using where clause.

Syntax:

⇒ delete from table where column_name= 'value';

DROP

DROP statement is used to delete the whole table along with table structure, attribute and indexes.

Syntax:

⇒ drop table table_name;

TRUNCATE

The truncate statement is used to delete all data in the table not the whole table.

Syntax:

⇒ truncate table_name;

Sub Query

Subqueries are also known as inner queries or nested queries.

Syntax:

⇒ Select column1, column2... from table where column operator (select column from another_table where condition); column1, column2, ...: The columns you want to retrieve.

GRANT

Grant is a statement used to assign privileges to user accounts, allowing them to perform specific actions on database projects.

PRIVILEGES

Privileges are the rights or permissions assigned to users that determine what actions they can perform on the database.

NORMALIZATION TABLES

CREATE DATABASE HOTEL_CHAIN

CREATE Hotel_Branch Table

INSERTING VALUES IN HOTEL_BRANCH

 p_{0}

3 NF OF HOTEL_BRANCH

CREATE STAFF TABLE

```
sysql> create table staff(s_id INT(5) PRIMARY KEY, s_name varchar(20),s_address varchar(20),s_role varchar(19),R_id INT(5));
suery GK, O rows affected, 2 warnings (0.04 sec)
ysql> DESCRIBE staff;
                                 Null | Key |
                                                 Default | Extra
Field
s_id
                                          PRE
                int
                                  NO
                                                  NULL
                varchar(20)
                                                  NULL
NULL
               varchar
s_role
R_id
                                 YES
YES
                varchar(19)
 rows in set (0.00 sec)
```

INSERTING VALUES IN STAFF

```
mysql> INSERT INTO staff values('1', 'haram', 'multan', 'manager', '10'),('2', 'ahmad', 'sheikhpura', 'sweeper', '20'),('3', 'sohail', 'lahore', 'ceeptionist', '30');
query OK, 3 rows affected (0.02 sec)
secords; 3 Duplicates; 0 warnings; 0
sysql> select "from staff;
| s_id | s_name | s_address | s_role | R_id |
| 1 | haram | multan | manager | 10 |
| 2 | ahead | sheikhpura | sweeper | 20 |
| 3 | sohail | lahore | receptionist | 30 |
| 3 rows in set (0.00 sec)
```

3RD NORMAL FORM OF STAFF ADD s_id COLUMN IN HOTEL BRANCH

```
nysql> select s_name, s_address, s
ysql> select s_name,s_address,s_role from staff;
 -mysql> ALTER table hotel_branch ADD s_id INT(5);
|Query OK, O rows affected, 1 warning (0.03 sec)
| Records: O Ouplicates: O warnings: 1
 Smysql> DESCRIBE Hotel_branch;
     field
                                                           Default | Extra
                     Type
                                         Null
                                                Key
     H.id
                                         NO
                                                           NULL
                                                           NULL
NULL
NULL
                      varchar(25)
                                         YES
                     varchar(30)
int
    rows in set (0.00 sec)
```

TABLE

CHANGE COLUMN NAME (FROM s_id TO staff_id)

MAKE staff_id FOREIGN KEY

```
mysql> ALTER table Hotel_branch ADD FOREIGN KEY (staff_id) REFERENCES staff (s_id);
Query OK, 3 rows affected (0.14 sec)

Records: 3 Duplicates: 0 warnings: 0

mysql> DESCRIBE Hotel_branch;

Field Type Null Key Default Extra

H_id int NO PRI NULL |
h_name varchar(25) VES NULL |
h_address varchar(30) VES NULL |
staff_id int YES MUL NULL |
4 rows in set (0.00 sec)
```

INSERTING VALUES IN FOREIGN KEY

```
mysql> update Hotel_branch set staff_id='1' where H_id='1001';

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 changed: 1 warnings: 0

mysql> Update Hotel_branch set staff_id='2' where H_id='1002';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 changed: 1 warnings: 0

mysql> update Hotel_branch set staff_id='3' where H_id='1003';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 changed: 1 warnings: 0
```

SELECT FROM HOTEL BRANCH

```
mysql> select * from Hotel_branch;

| H_id | h_name | h_address | staff_id |
| 1001 | unique | lahore | 1 |
| 1002 | five_star | Multan | 2 |
| 1003 | Super | Sheikhpura | 3 |
| 3 rows in set (0.00 sec)
```

CREATE ROOM_BOOKING TABLE

```
mysql> create table Room_booking(room_id INT(5) PRIMARY KEY, r_no INT(6), check_in_date INT(20), check_out_date INT(20), weekend_prici
ng INT(20), hoilday_pricing INT(19), early_bird_offers INT(25));
Query OK, 0 rows affected, 7 warnings (0.04 sec)
mysql> DESCRIBE Room_booking;
  Field
                            | Type | Null | Key | Default | Extra
  room_id
                                                          NULL
  r_no
check_in_date
                                        YES
                               int
                                                          NULL
                              int
                                                          NULL
  check_out_date
                              int
                                        YES
                                                          NULL
                              int
  weekend_pricing
                                                          NULL
  hoilday_pricing
early_bird_offers
                               int
                                                          NULL
  rows in set (0.00 sec)
```

MODIFY CHECK_IN & CHECK_OUT DATES

```
mysql> ALTER TABLE Room_booking
-> MODIFY COLUMN check_in_date DATE;
Query OK, 0 rows affected (0.13 sec)
Records: 0 Duplicates: 0 warnings: 0
mysql> ALTER table Room_booking MODIFY COLUMN check_in_date DATE;
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 warnings: 0
mysql> ALTER table Room_booking MODIFY COLUMN check_out_date DATE;
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 warnings: 0
```

DESCRIBE ROOM_BOOKING

MODIFY EARLY_BIRD_OFFERS & INSERTING VALUES

```
mysql> ALTER table Room_booking MODIFy COLUMN early_bird_offers varchar(29);
Query OK, 0 rows affected (0.08 sec)

mysql> INSERT INTO Room_booking values('10','202','2025-01-05','2025-01-25','8000','9000','40%');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Room_booking values('20','504','2025-02-4','2025-02-8','7000','8000','30%');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Room_booking values('30','301','2025-07-4','2025-07-8','8000','12000','30%');
Query OK, 1 row affected (0.01 sec)
```

SELECT FROM ROOM_BOOKING

room_id	r_no	check_in_date	check_out_date	weekend_pricing	hoilday_pricing	early_bird_offers
10	202	2025-01-05	2025-01-25	8000	9000	30%
20	504	2025-02-04	2025-02-08	7000	8000	
30	301	2025-07-04	2025-07-08	8000	12000	

ADD STAFF_ID FOREIGN KEY

INSERT VALUES IN FOREIGN KEY

```
mysql> Update room_booking set STAFF_ID='1' where room_id='10';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> Update room_booking set STAFF_ID='2' where room_id='20';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> Update room_booking set STAFF_ID='3' where room_id='30';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

SELECT FROM ROOM_BOOKING

```
mysql> select * from room_booking;

| room_id | r_no | check_in_date | check_out_date | weekend_pricing | hoilday_pricing | early_bird_offers | STAFF_ID |
| 10 | 202 | 2025-01-05 | 2025-01-25 | 8000 | 9000 | 40% | 1 |
| 20 | 504 | 2025-02-04 | 2025-02-08 | 7000 | 8000 | 30% | 2 |
| 30 | 301 | 2025-07-04 | 2025-07-08 | 8000 | 12000 | 30% | 3 |
| 3 rows in set (0.00 sec)
```

3 NF OF ROOM_BOOKING

MAKE ROOM_ID FOREIGN KEY IN STAFF

CREATE CUSTOMER TABLE

ADD MISING C_ADDRESS COLUMN IN CUSTOMER TABLE

INSERTING VALUES

```
mysql> INSERT INTO customer values('100','N008', '20', 'Faronqabad');
query OK. 1 row affected (0.01 sec)
mysql> INSERT INTO customer values('200','N1MKA', '20', 'Sheikhpura'),('300','shanzey', '30', 'Sheikhpura');
query OK. 2 rows affected (0.01 sec)
wecords: 2 Ouplicates: 0 Warnings: 0
mysql> select "from student;
ekadom 1146 (42502): Table 'hotel_chain.student' doesn't exist
mysql> select "from customer;
| C_id | C_name | r_id | C_address |
| C_id | C_name | r_id | C_address |
| 100 | NIMAA | 20 | Sheikhpura |
| 100 | NIMAA | 20 | Sheikhpura |
| 100 | Shanzey | 10 | Sheikhpura |
| 1 rows in set (0.00 sec)
```

MAKE r_id FOREIGN KEY IN CUSTOMER TABLE

CREATE LOYALTY POINTS TABLE

MAKE cus_id FOREIGN KEY

INSERTING VALUES & DESCRIBE

CREATE FEEDBACK TABLE

MAKE customer_id FOREIGN KEY IN FEEDBACK TABLE

```
mysql> INSERT INTO feedback values('203', 'compliment', 'great food', '100');

Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO feedback values('202', 'complaint', 'late services', '200');

mysql> INSERT INTO feedback values('300', 'compliment', 'good services', '300');

query OK, 1 row affected (0.01 sec)

mysql> select * from feedback;

I fb_id | fb_type | comment | customer_id |

300 | complaint | late services | 200 |

201 | compliment | great food | 100 |

300 | compliment | great food | 100 |

3 rows (n set (0.00 sec)
```

INSERTING VALUES

CREATE PRE ORDER TABLE

MADE cus_id FOREIGN KEY

INSERTING VALUES IN ORDER

```
### PART OF PROPERTY OF PROPERTY OF THE PART OF PART O
```

CREATE TASK TABLE

ADD st_id FOREIGN KEY AND INSERTION

PRACTICAL IMPLEMENTATION

ARITHMETIC & LOGICAL OPERATIONS ON LOYALTY_POINTS TABLE

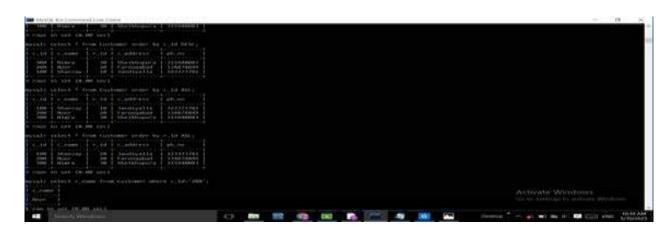
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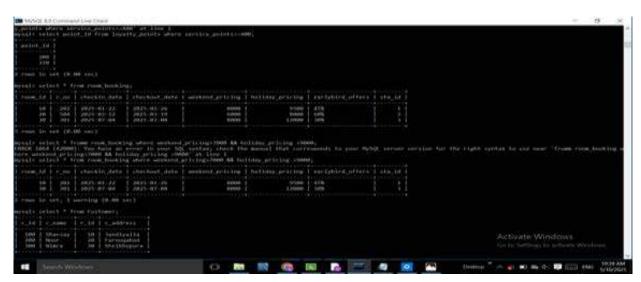
- Course in the College and the Course and the C
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LOGICAL OPERATIONS ADDING ph_no COLUMN IN CUSTOMER

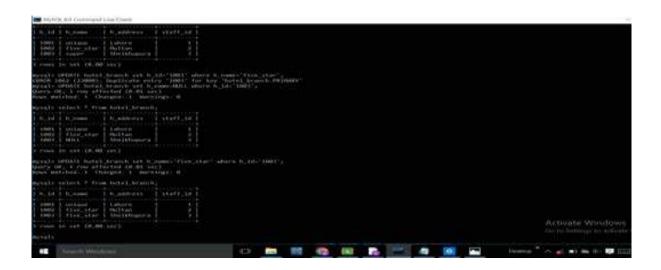
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ORDER BY CLAUSE ON CUSTOMER

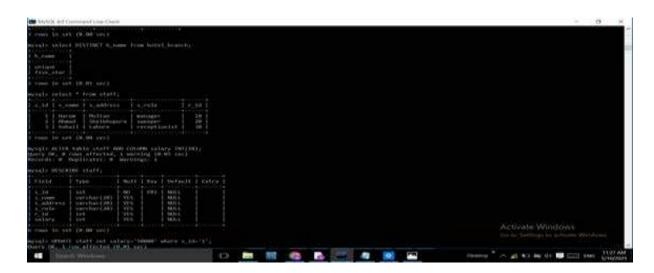




GIVING TWO h_ids SAME NAME



DISTINCT CLAUSE AND ADDING SALARY COLUMN IN STAFF TABLE



BETWEEN, HAVING AND IN CLAUSES

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Shook common the Conditions

The Condition of the Employee where jobs assistant on salary structs 1988 and 1988;

Jesupana |
Article Article (0.00 sec)

Aprile Salart employee where jobs shareger (on salary structs 1980 and 1990);

Jesupana |
Article Article (0.00 sec)

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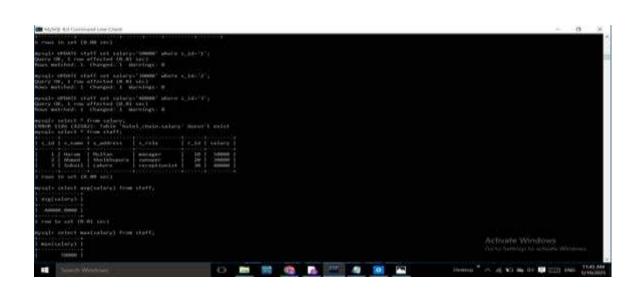
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sping
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ARITHMETIC OPERATIONS ON STAFF



COUNT & COUNT (*)

```
Depth in set (0.00 sec)

Mysel's select * from feedback:

This filters | Comment | Continue |

200 | Complaint | Tate services | 200 |

200 | Complaint | Tate services | 200 |

200 | Complaint | good services | 300 |

300 | Ison | In set (0.00 sec)

Tree in set (0.00 sec)
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VIEW

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```

LIKE CLAUSE ON CUSTOMER

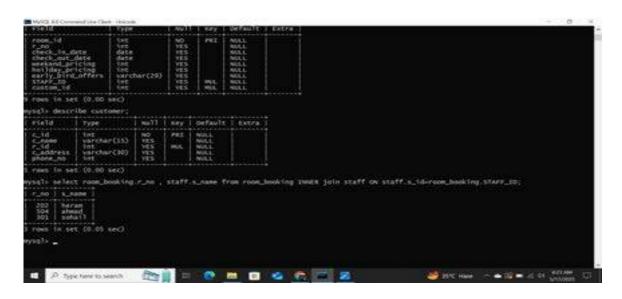
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JOINS

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own in set (0.00	1913									
gle animics " from	room_booking: herb_in_slete	- See 2	mult Sate	1	of perioding	herrday pricing	T and	bird offers	WAFF TO	continued in
10 207 20 304 36 101	025-01-05 025-02-04 025-07-04	2071-0 2071-0 2071-0	1-21	1	8000 1000 8000	9000 8000 12000	40% 30% 80%			100 200 300
ON'S TO BEE CO.OO	sec)									
gle select room_b sevce 3000 customs com_id a_name	r on room book	tro con	Linane, co	dEComer.s	Chane From	room_booking this	W SOLK	NAFF ON FINIS	Josk (ng. 57)	VY_ND = scaff

INNER JOIN



```
mysql> INSERT INTO staff(s_id_s_name_s_address) values(4, hanza', 'muree');

Guery OK, 1 row affected (0.02 sec)

mysql> select " from staff;

| s_id | s_name | s_address | s_role | R_id | salary |

1 | haram | multan | manager | 10 | 12000 |

2 | ahmad | shekkhpura | sweeper | 20 | 2000 |

3 | sohail | labore | manager | 30 | 13000 |

4 | hamza | muree | NALL | NALL |

4 | rows in set (0.00 sec)

mysql> select room_booking.r_no , staff.s_name from room_booking INNER join staff on staff.s_id-room_booking.STAFF_ID;

| r_no | k_name |

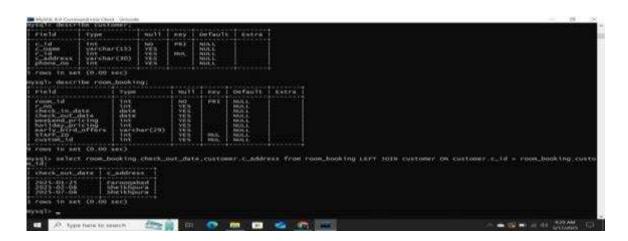
202 | haram |
| 504 | ahmad |
| 301 | sohail |
| 3 | rows in set (0.00 sec)

mysql> ____
```

EQUI JOIN

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fb_ist fb_type comment customer_is	Set varchar(20 varchar(30 tet	100 105 105 105 105 105 105 105 105 105	-	MEAL		
rows in set	(0.00 sec)					***
syngly descri	be customer:					
Field	Type	Sell	Key	Default	Extra	ī.
c_1d c_nate r_1d c_address phone_ns	int varchar(15) int varchar(30) int	MO YES YES YES	PRI	NULL NULL NULL NULL NULL		
From in set	(0.00 sec)	******				
idaroam book immom 1054 (4 tysql> smlect _id=room_boo	(ing custon id (2:22): Unknow	n colum g.weeke d:	o room	ebacking r	no' in	r_no , customer.c_mame.phone_no from room_booking , customer where customer. $'f(e7e\ 715c'')$ g.r_no , customer.c_nume.phone_no from room_booking , customer where customer
	icting r_mo i			one_na		
	8000 202 7000 504 8000 301	NOOR NORM Sharon		5876257 5887257 2647257		
rows in sec	(0.00 sec)					
weep.						

LEFT JOIN



RIGHT JOIN

```
| 20 | 554 | 2025-02-04 | 2025-02-08 | 7000 | 8000 | 30% | 2 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 30% | 3 | 700 | 8000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000 | 3 | 7000
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CROSS JOIN

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eysol's select distinct staff.r_id,room_booking.r_mo from staff cross join room_booking on staff.r_id=room_booking.room_id;

r_id | r_no |

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DELETE ROW4 FROM STAFF

DROP

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equals drive that;

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Appeals within 1 from tank;

Appeal
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SUBQUERY

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mysqls select " from staff;

| s_id | s_name | s_eddress | s_role | s_id | salary |
| 1 | haran | milias | manager | 30 | 1000 |
| 2 | sheat | shrikhpara | manager | 20 | 5000 |
| 3 | sobart | labore | manager | 30 | 1000 |
| 3 | rom in set (0.0) sec)

mysqls select s_name_s_id from staff where salarys( select min(salary) from staff);
| s_name | s_id | 10 |
| sheaf | 10 |
| true in set (0.0) sec)

mysqls select s_name_s_id from staff where salarys( select max(salary) from staff);
| s_name | s_id |
| select s_name_s_id from staff where salarys( select max(salary) from staff);
| s_name | s_id |
| select s_name_s_id from staff where salarys( select max(salary) from staff);
| s_name | s_id | 10 |
| select s_name_s_id from staff where salarys( select mysqlsalary) from staff);
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| mysqls | select s_name_s_id from staff where salarys( select mysqlsalary) from staff);
| mysqls | select s_name_s_id from staff where salarys( select mysqlsalary) from staff);
| mysqlsalarys( se
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TRUNCATE

LOWEST SALARY PRINTED

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| Name | 10 | Second | 10 | Se
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MIN SALARY USING GROUP BY FROM S-ID PRINTED

```
mysql> select s_mame_R_id_salary from staff where salary-any( select min(salary) from staff group by s_role);
| s_mame | R_id | salary |
| haram | 10 | 12000 |
| somail | 30 | 12000 |
| rumn in set (0.00 sec)
| mysql> select s_mame_R_id_salary from staff where salary>ALL( select min(salary) from staff group by s_role);
| s_mame | R_id | salary |
| somail | 30 | 13000 |
| rom in set (0.00 sec)
| mysql>
```

GRANT

```
Would create their identified by 1224;

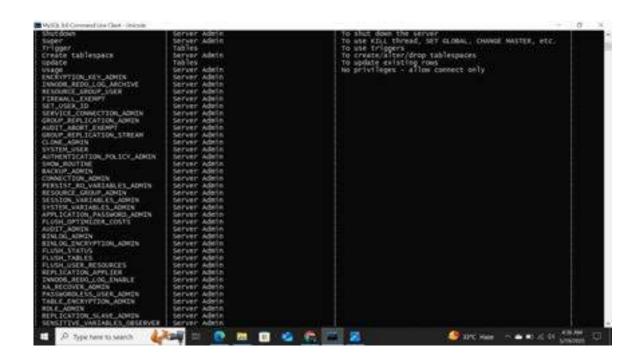
Short lote view identified by 1224;

Short lote view room identified by 12
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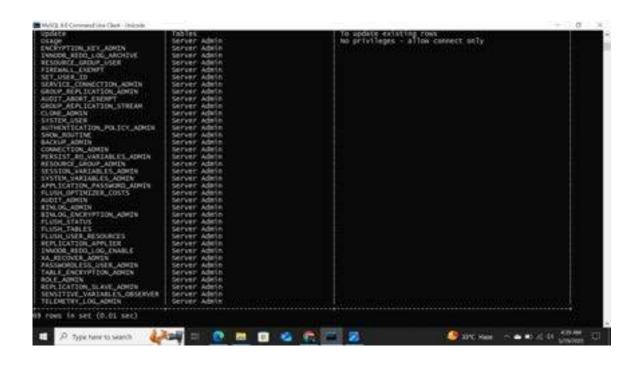
PRIVILEGES





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