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Experiment No.	3

AIM:	DML Commands Database Manipulation
Program 1	
PROBLEM STATEMENT :	. Writing queries on created tables using various DML commands in MySQL.
Theory :	DML is an abbreviation for Data Manipulation Language. • Data Manipulation Language or DML represents a collection of programming languages explicitly used to make changes in the database, such as: • CRUD operations to create, read, update, and delete data using the INSERT, SELECT, UPDATE and Delete commands. • DML commands are often part of a more extensive database language, for instance, SQL (Structure Query Language). These DML commands may have a specific syntax to manage data in that language. • DML Commands provide a way to read, update, delete, or merge data precisely. In the beginning, DML commands were part of computer programs only, but with the popularity of SQL, they have now become a part of database management. • DML Commands provide a way to read, update, delete, or merge data precisely. In the beginning, DML commands were part of computer programs only, but with the popularity of SQL, they have now become a part of database management. • Data Manipulation Languages (DML) have two primary classifications: Procedural and Non-procedural programming (declarative programming). **List of DML Commands in SQL**: Here is a shortlist of all DML commands and their specific functions in the SQL programming language. **1)SELECT**: Command to fetch data or values from the database **2)INSERT**: Command to add new or fresh value to the database **3)UPDATE:** Command to change or update the present/existing data

	to a newer value inside the database **4)DELETE**: Command to remove or delete the values or data information from the database's current table **SELECT DML Command** SELECT is the most important data manipulation command in Structured Query Language. The SELECT command shows the records of the specified table. It also shows the particular record of a particular column by using the WHERE clause. **Syntax of SELECT DML command:** SELECT column_Name_1, column_Name_2, ….,columnName_ FROM Name_of_table; SELECT * FROM table_name; -- To select all columns in table **INSERT DML Command** INSERT is another important data manipulation command in Structured Query Language, allowing users to insert data in database tables. **Syntax of INSERT Command:** INSERT INTO TABLE_NAME (column_Name1 , column_NameN) VALUES (value_1, value_2, value_3, value_N) ; **UPDATE DML Command** UPDATE is another important data manipulation command in Structured Query Language, which allows users to update or modify the existing data in database tables. **Syntax of UPDATE Command:** UPDATE Table_name SET [column_name1= value_1, …,column_name value_] WHERE CONDITION; Here, 'UPDATE', 'SET', and 'WHERE' are the SQL keywords, and 'Table_name' is the name of the table whose values you want to update. **DELETE DML Command** DELETE is a DML command which allows SQL users to remove single or multiple existing records from the database tables. This command of Data Manipulation Language does not delete the stored data permanently from the database. We use the WHERE clause with the DELETE command to select specific rows from the table. **Syntax of DELETE Command:** DELETE FROM Table_Name

	WHERE condition; **DML Statements and Transactions** DML Statements: • Database table data can be added, changed, or deleted using Data Manipulation Language (DML) statements. • DML Statements access the data and process/change the existing tables. • In the SQL environment, DML statements are entered after the SQL> prompt • DML statements are entered in the Worksheet in the SQL Developer environment. To access and manipulate data, the SQL Developer Connections frame and tools can be used. • The effect of a DML statement is not permanent until the transaction that includes it is committed. **Transaction control statements:** • A transaction is a set of one or multiple SQL statements that the DBMS treats as one unit (single command): either all of the statements are executed or none of them are. • Transactions are required when writing code for business processes that require multiple operations to be performed as a unit simultaneously. For example, when a team leader (TL) quits the company, a row has to be inserted into the JOB_ HISTORY table to show when the team leader left, and the value of TL_ID in the has to be updated against each of his team members in the EMPLOYEES table. To execute this process in a business application, the ‘INSERT’ and ‘UPDATE’ DML commands must be combined into a single transaction.

Queries	Code: CREATE DATABASE Hotel; use Hotel CREATE TABLE Hotel (H_Name Varchar(120) Not Null, H_ID int Primary key, H_Address Varchar(200) Not Null, H_Num_Emp int, H_vacancies int) ; CREATE TABLE Employee (E_Name Varchar(70), E_Type Varchar(50), E_ID int primary key, H_ID int, foreign key(H_ID) references Hotel(H_ID), LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255), E_Contact int, E_Salary int not null check(E_salary>0)); create table Room(R_no int primary key, R_vacany boolean default true, R_price int not null, R_type varchar(30), H_ID int references Hotel(H_ID)); create table Reservation(Reservation_no int primary key, R_intime datetime not null, R_outtime datetime,

```
Amount int not null check(Amount>0),
R_no int references Room(R_no),
C_ID int references Customer(C_ID)

);
CREATE TABLE Customer(
C_Id int primary key,
C_Name Varchar(50) Not Null,
Reservation_no int,
C_Age int ,
C_Address Varchar(70) Not Null,
C_contact int,
C_cin_time int,
C_cout_t int,
foreign key(Reservation_no) references Reservation(Reservation_no)
);

alter table hotel rename hotel_info;

insert into hotel_info values("marriot",1234,"Pune",3456,5);
insert into hotel_info values("The Plaza",2345,"New York ",4567,7);
insert into hotel_info values("Claridge's",3456,"London",5678,7);
insert into hotel_info values("Raffles",5678,"Singapore",6789,8);
insert into hotel_info values("Taj Mahal Palace",6789,"Mumbai ",7890 ,9);
insert into hotel_info values("Beverly Hills Hotel",8970,"Los
Angeles",8907,2);

insert into employee values("Adwait
Purao","Permanent",1,1234,"Purao","Adwait","Kurla","Mumbai",12345 ,10
000);

insert into employee values("Ram
Kumar","Permanent",2,1234,"Kumar","Ram","Kalina","Mumbai",12346,20
000);

insert into employee values("Akshay
Kumar","Temporary",3,3456,"Kumar","Akshay","Ram
chowk","Ramgad",12347,30000);

insert into employee values("Ranbir
```

Kapoor","Permanent",4,2345,"Kapoor","Ranbir","Roopnagar","Agra",1234
8,40000);

insert into employee values("Angelina
Jolie","Permanent",5,8970,"Jolie","Angelina","Beverly Hills","Los
Angeles",12349,50000);

alter table customer modify C_cin_time time ;
alter table customer modify C_cout_t time ;
alter table reservation modify R_intime time ;
alter table reservation modify R_outtime time ;

insert into reservation values(1,"12:56:23","16:56:23",1000,12,1234);
insert into reservation values(2,"13:54:43","19:26:13",2000,13,1235);
insert into reservation values(3,"11:24:41","20:55:53",1500,14,1236);
insert into reservation values(4,"22:21:45","16:25:33",2500,15,1237);

insert into customer values(1234,"Sam
Vaz",1,34,"Ghatkopar",123456,"12:56:23","16:56:23");

insert into customer values(1235,"Ram
Sharma",2,44,"Ghansoli",123457,"13:54:43","19:26:13");

insert into customer values(1236,"Sachin
Tendulkar",3,50,"Colaba",123458,"11:24:41","20:55:53");

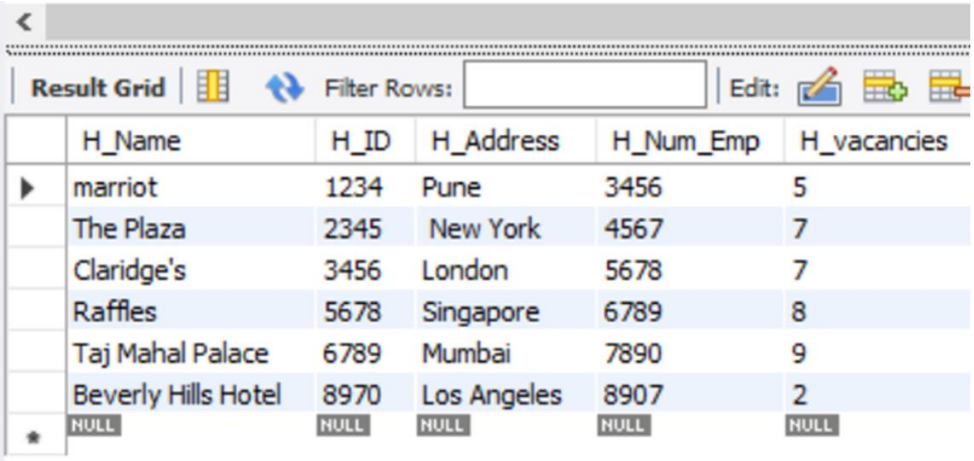
insert into customer values(1237,"Virat
Kohli",4,30,"Dadar",123459,"22:21:45","16:25:33");

insert into room values(12,1,1000,"Basic",1234);
insert into room values(13,0,2000,"Deluxe",2345);
insert into room values(14,1,1500,"Suite",5678);
insert into room values(15,0,2500," Luxury Suite",6789);

select * from hotel_info;
select * from employee;
select * from room;
select * from reservation;
select * from customer;

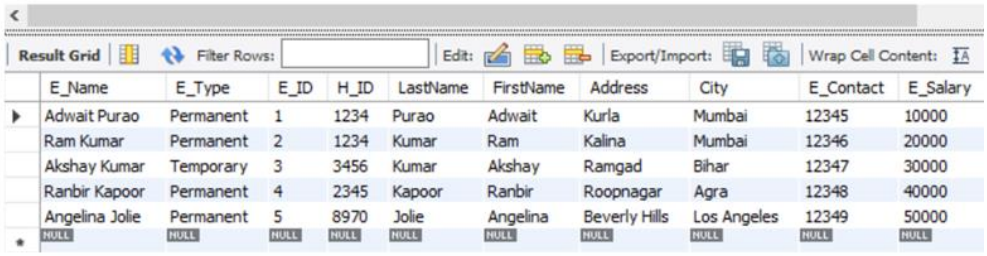
Original tables

1)Table hotel_info



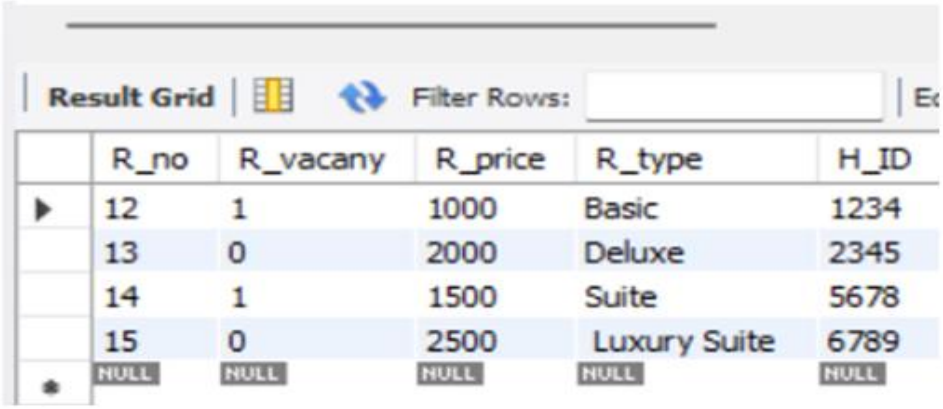
H_Name	H_ID	H_Address	H_Num_Emp	H_vacancies
marriot	1234	Pune	3456	5
The Plaza	2345	New York	4567	7
Claridge's	3456	London	5678	7
Raffles	5678	Singapore	6789	8
Taj Mahal Palace	6789	Mumbai	7890	9
Beverly Hills Hotel	8970	Los Angeles	8907	2
NULL	NULL	NULL	NULL	NULL

2)Table Employee



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Ram Kumar	Permanent	2	1234	Kumar	Ram	Kalina	Mumbai	12346	20000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ramgad	Bihar	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

3)Table Room



R_no	R_vacany	R_price	R_type	H_ID
12	1	1000	Basic	1234
13	0	2000	Deluxe	2345
14	1	1500	Suite	5678
15	0	2500	Luxury Suite	6789
NULL	NULL	NULL	NULL	NULL

4)Table Reservation

Result Grid | Filter Rows: | Edit:

Reservation_no	R_intime	R_outtime	Amount	R_no	C_ID
1	12:56:23	16:56:23	1000	12	1234
2	13:54:43	19:26:13	2000	13	1235
3	11:24:41	20:55:53	1500	14	1236
4	22:21:45	16:25:33	2500	15	1237
NULL	NULL	NULL	NULL	NULL	NULL

5)Table Customer

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

C_Id	C_Name	Reservation_no	C_Age	C_Address	C_contact	C_cin_time	C_cout_t
1234	Sam Vaz	1	34	Ghatkopar	123456	12:56:23	16:56:23
1235	Ram Sharma	2	44	Ghansoli	123457	13:54:43	19:26:13
1236	Sachin Tendulkar	3	50	Colaba	123458	11:24:41	20:55:53
1237	Virat Kohli	4	30	Dadar	123459	22:21:45	16:25:33
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query 1(Delete command)

delete from employee where E_ID=2;

1)Before execution

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Ram Kumar	Permanent	2	1234	Kumar	Ram	Kalina	Mumbai	12346	20000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ramgad	Bihar	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

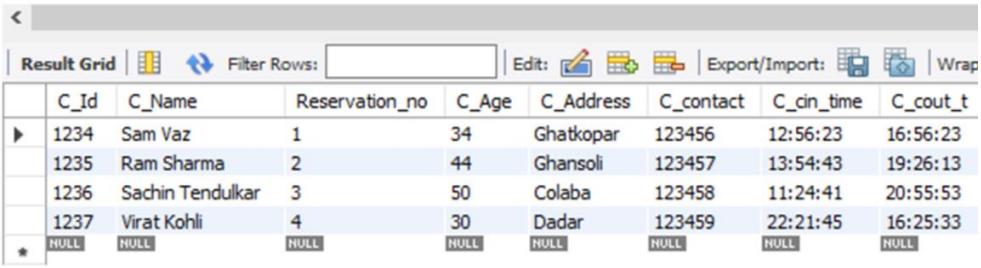
E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ramgad	Bihar	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query 2(Where command)

select * from customer

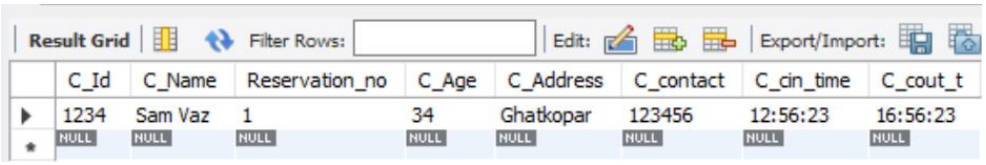
where c_id=1234;

1)Before execution



C_Id	C_Name	Reservation_no	C_Age	C_Address	C_contact	C_cin_time	C_cout_t
1234	Sam Vaz	1	34	Ghatkopar	123456	12:56:23	16:56:23
1235	Ram Sharma	2	44	Ghansoli	123457	13:54:43	19:26:13
1236	Sachin Tendulkar	3	50	Colaba	123458	11:24:41	20:55:53
1237	Virat Kohli	4	30	Dadar	123459	22:21:45	16:25:33

2)After execution

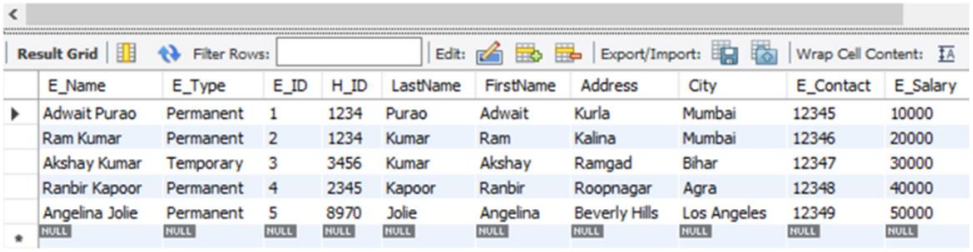


C_Id	C_Name	Reservation_no	C_Age	C_Address	C_contact	C_cin_time	C_cout_t
1234	Sam Vaz	1	34	Ghatkopar	123456	12:56:23	16:56:23

Query 3(Or command)

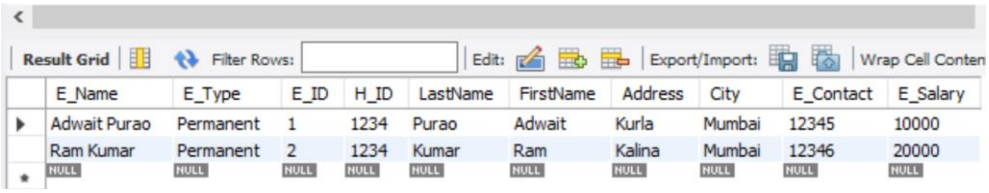
use hotel;
select * from employee
where E_ID=1 or E_ID=2 ;

1)Before execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Ram Kumar	Permanent	2	1234	Kumar	Ram	Kalina	Mumbai	12346	20000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ramgad	Bihar	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000

2)After execution

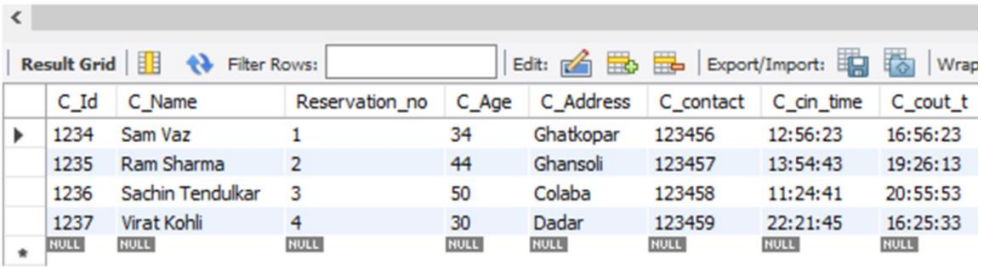


E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Ram Kumar	Permanent	2	1234	Kumar	Ram	Kalina	Mumbai	12346	20000

Query 4(Update command)

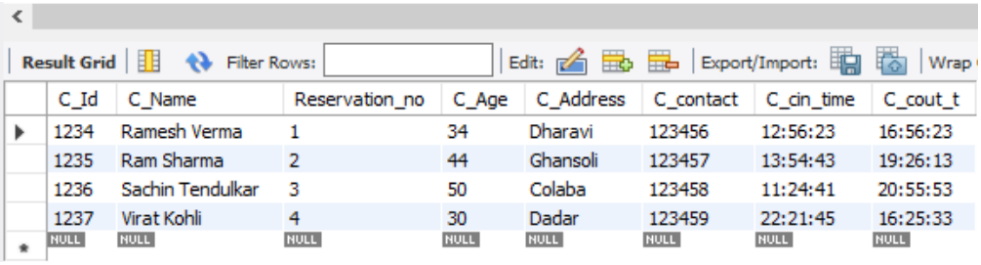
```
update customer
set C_Name="Ramesh Verma",C_Address="Dharavi"
where C_ID=1234;
```

1)Before execution



C_Id	C_Name	Reservation_no	C_Age	C_Address	C_contact	C_cin_time	C_cout_t
1234	Sam Vaz	1	34	Ghatkopar	123456	12:56:23	16:56:23
1235	Ram Sharma	2	44	Ghansoli	123457	13:54:43	19:26:13
1236	Sachin Tendulkar	3	50	Colaba	123458	11:24:41	20:55:53
1237	Virat Kohli	4	30	Dadar	123459	22:21:45	16:25:33
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

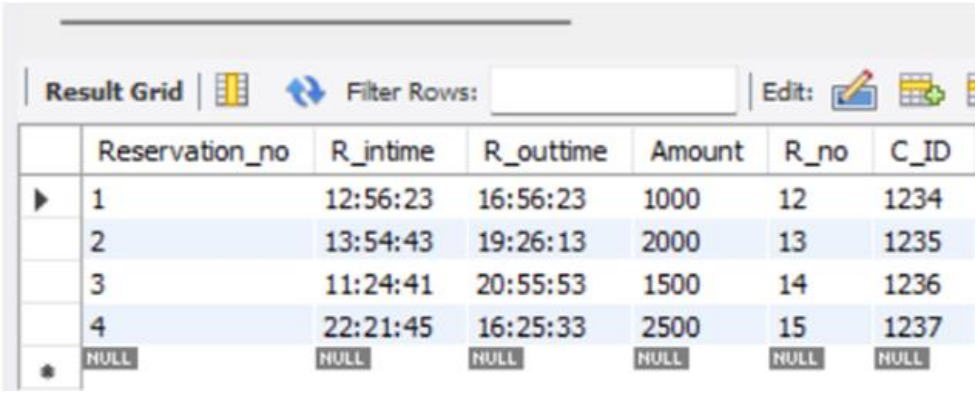


C_Id	C_Name	Reservation_no	C_Age	C_Address	C_contact	C_cin_time	C_cout_t
1234	Ramesh Verma	1	34	Dharavi	123456	12:56:23	16:56:23
1235	Ram Sharma	2	44	Ghansoli	123457	13:54:43	19:26:13
1236	Sachin Tendulkar	3	50	Colaba	123458	11:24:41	20:55:53
1237	Virat Kohli	4	30	Dadar	123459	22:21:45	16:25:33
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query 5(Not command)

```
use hotel;
select * from reservation
where not Reservation_no=2;
```

1)Before execution



Reservation_no	R_intime	R_outtime	Amount	R_no	C_ID
1	12:56:23	16:56:23	1000	12	1234
2	13:54:43	19:26:13	2000	13	1235
3	11:24:41	20:55:53	1500	14	1236
4	22:21:45	16:25:33	2500	15	1237
NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

Result Grid | Filter Rows: | Edit:

Reservation_no	R_intime	R_outtime	Amount	R_no	C_ID
1	12:56:23	16:56:23	1000	12	1234
3	11:24:41	20:55:53	1500	14	1236
4	22:21:45	16:25:33	2500	15	1237
NULL	NULL	NULL	NULL	NULL	NULL

Query 6(Wild card command)

select* from customer
where c_name like 'ram%';

1)Before execution

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

C_Id	C_Name	Reservation_no	C_Age	C_Address	C_contact	C_cin_time	C_cout_t
1234	Ramesh Verma	1	34	Dharavi	123456	12:56:23	16:56:23
1235	Ram Sharma	2	44	Ghansoli	123457	13:54:43	19:26:13
1236	Sachin Tendulkar	3	50	Colaba	123458	11:24:41	20:55:53
1237	Virat Kohli	4	30	Dadar	123459	22:21:45	16:25:33
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

Result Grid | Filter Rows: | Edit: | Export/Import: | Wra

C_Id	C_Name	Reservation_no	C_Age	C_Address	C_contact	C_cin_time	C_cout_t
1234	Ramesh Verma	1	34	Dharavi	123456	12:56:23	16:56:23
1235	Ram Sharma	2	44	Ghansoli	123457	13:54:43	19:26:13
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

use hotel;
SELECT * FROM employee
WHERE e_name LIKE '%ha%';

1)Before execution

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ramgad	Bihar	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

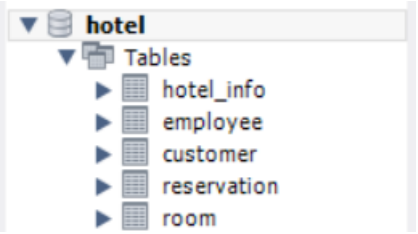
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

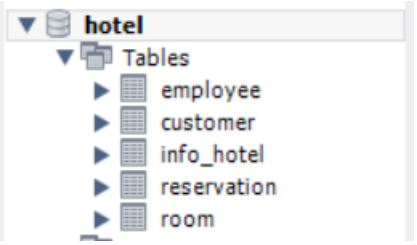
Query 7(Alter command command)

alter table hotel_info rename Info_Hotel;

1)Before execution



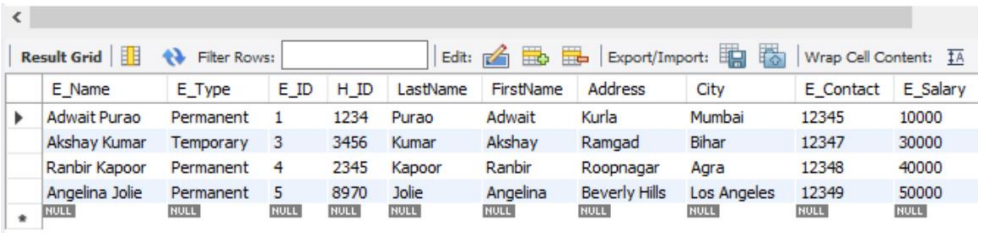
2)After execution



Query 8(Alter command to add a column)

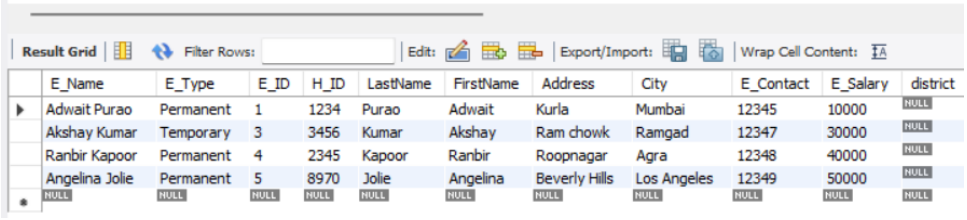
```
use hotel;
alter table employee
add district varchar(20);
```

1)Before execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ramgad	Bihar	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

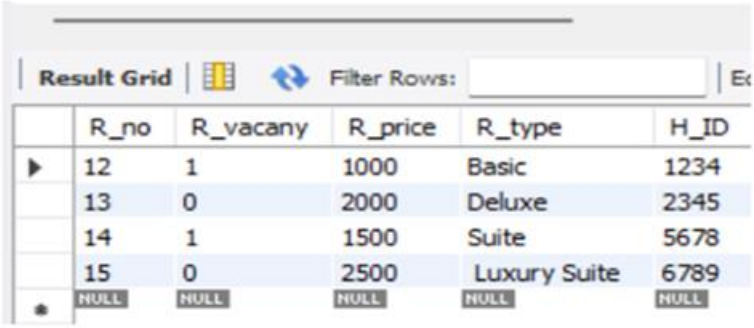


E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary	district
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000	NULL
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000	NULL
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000	NULL
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query 9(And command)

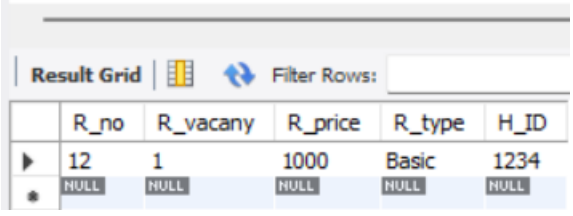
```
use hotel;
SELECT * FROM room
WHERE r_vacany=1 AND r_price=1000;
```

1)Before execution



R_no	R_vacany	R_price	R_type	H_ID
12	1	1000	Basic	1234
13	0	2000	Deluxe	2345
14	1	1500	Suite	5678
15	0	2500	Luxury Suite	6789
NULL	NULL	NULL	NULL	NULL

2)After execution

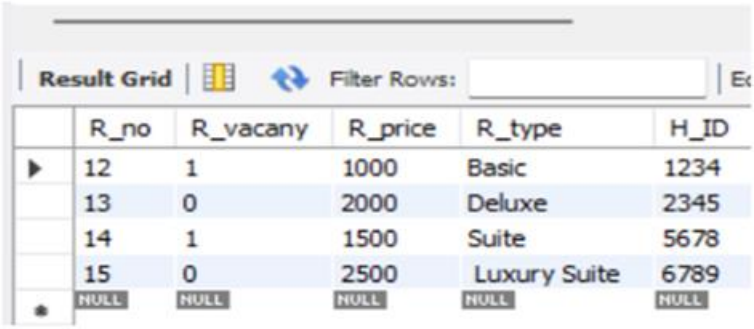


R_no	R_vacany	R_price	R_type	H_ID
12	1	1000	Basic	1234
NULL	NULL	NULL	NULL	NULL

Query 10(Order by command)

use hotel;
SELECT * FROM room
where r_price>1200
order by r_no;

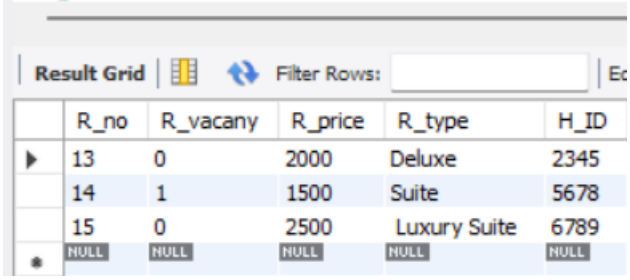
1)Before execution



Result Grid | Filter Rows:

R_no	R_vacany	R_price	R_type	H_ID
12	1	1000	Basic	1234
13	0	2000	Deluxe	2345
14	1	1500	Suite	5678
15	0	2500	Luxury Suite	6789
NULL	NULL	NULL	NULL	NULL

2)After execution



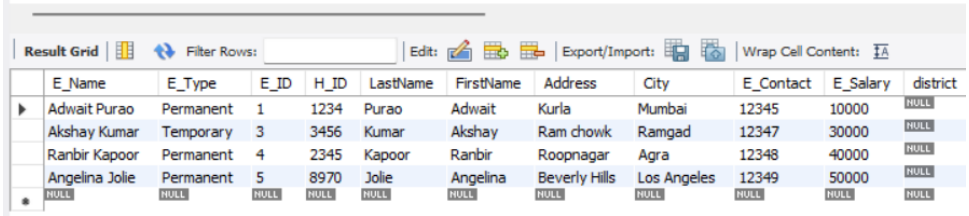
Result Grid | Filter Rows:

R_no	R_vacany	R_price	R_type	H_ID
13	0	2000	Deluxe	2345
14	1	1500	Suite	5678
15	0	2500	Luxury Suite	6789
NULL	NULL	NULL	NULL	NULL

Query 11(Drop command)

use hotel;
alter table employee
drop district

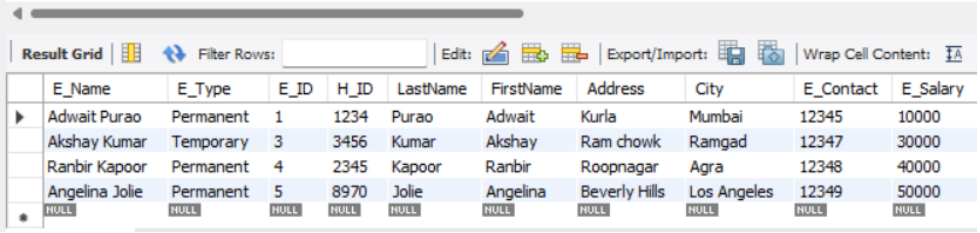
1)Before execution



Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary	district
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000	NULL
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000	NULL
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000	NULL
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

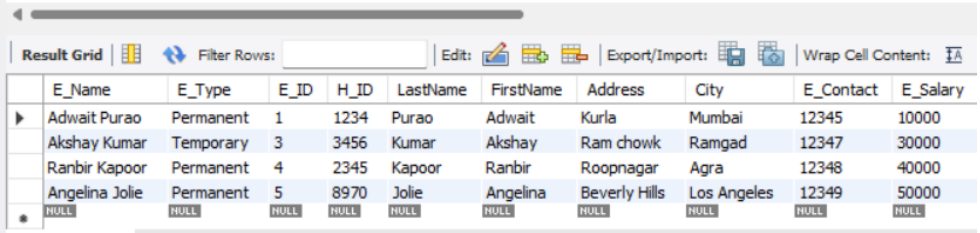


E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Query 12(Selecting a particular column)

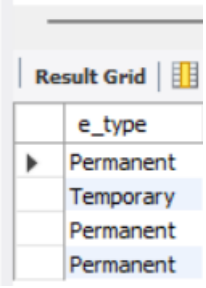
use hotel;
select e_type from employee;

1)Before execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2)After execution

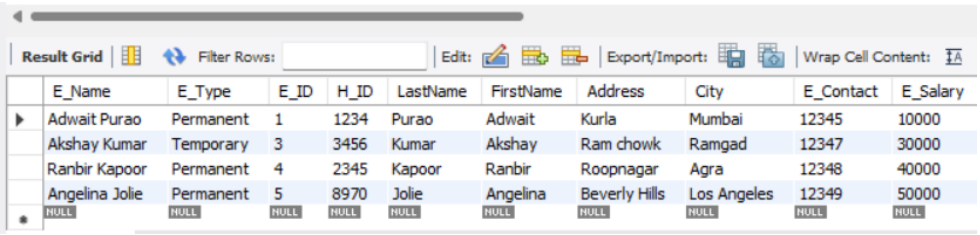


e_type
Permanent
Temporary
Permanent
Permanent

Query 12(Multiple OR and AND commands)

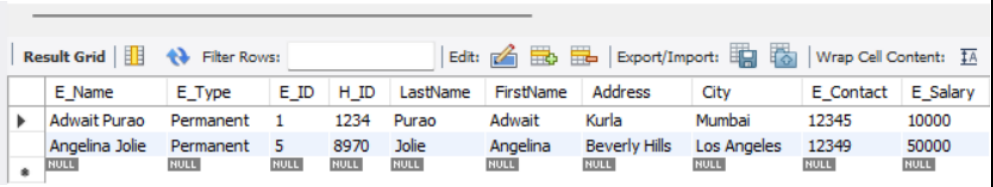
use hotel;
select*from employee
where (e_type='Permanent' and e_name like 'A%') or e_id=5;

1)Before execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000

2)After execution

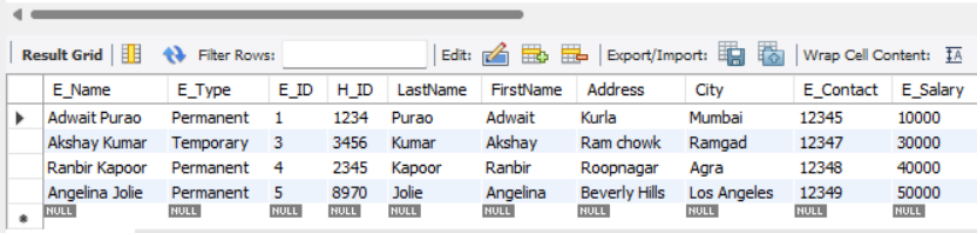


E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000

Query 13(Wild card command)

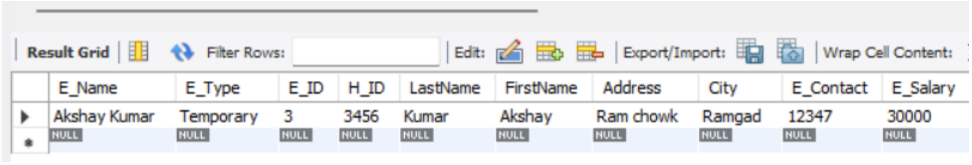
```
use hotel;
select*from employee
where e_name like '_k%'
```

1)Before execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000

2)After execution

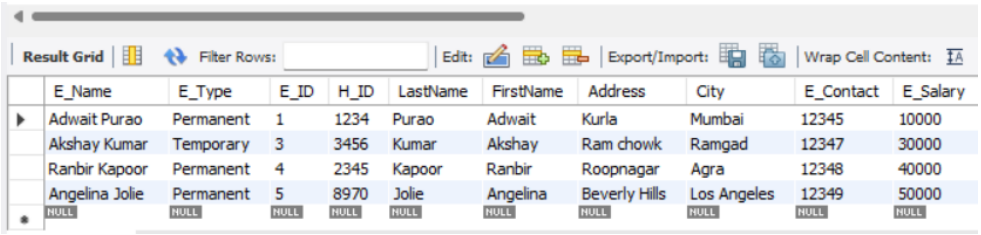


E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000

Query 14(Wild card command)

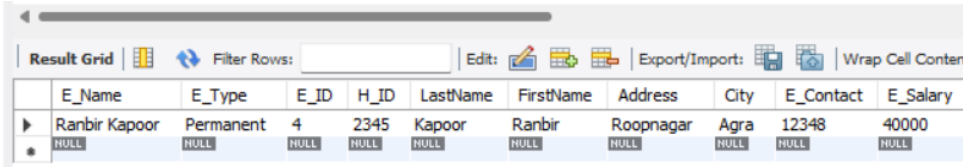
```
use hotel;
select*from employee
where e_name not like 'a%'
```

1)Before execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000

2)After execution

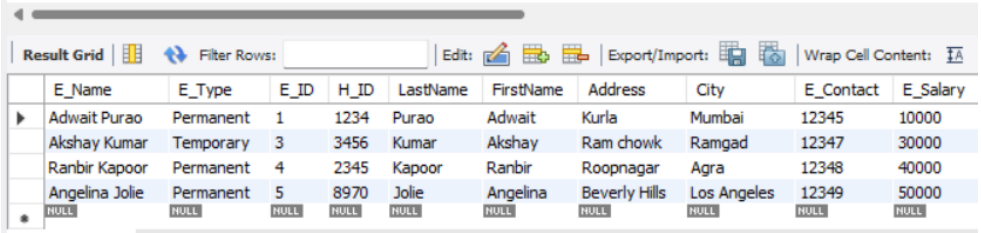


E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000

Query 15(Delete a row)

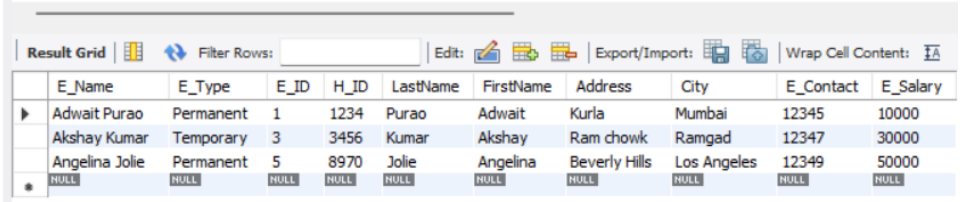
delete from employee where e_id=4;

1)Before execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
Ranbir Kapoor	Permanent	4	2345	Kapoor	Ranbir	Roopnagar	Agra	12348	40000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000

2)After execution



E_Name	E_Type	E_ID	H_ID	LastName	FirstName	Address	City	E_Contact	E_Salary
Adwait Purao	Permanent	1	1234	Purao	Adwait	Kurla	Mumbai	12345	10000
Akshay Kumar	Temporary	3	3456	Kumar	Akshay	Ram chowk	Ramgad	12347	30000
Angelina Jolie	Permanent	5	8970	Jolie	Angelina	Beverly Hills	Los Angeles	12349	50000

Conclusion

This experiment helped me learn various commands of DML(Data Manipulation language) like select * from, set, where, update, alter, and, or, not, add, delete, like, drop,% etc. Using these commands database for Hotel system is prepared. The experiment helped to learn about the handling the data and to filter and retrieve the data according to the need. I also learned how to operate MySQL Workbench software.