

Name:- Brijesh Ramoliya

Roll No:- 91900133025

Title:- Hotel Management system

Sem:- 5

Branch:- B.TECH ICT

Subject:- DBMS

Subject Code:- 01CT0502

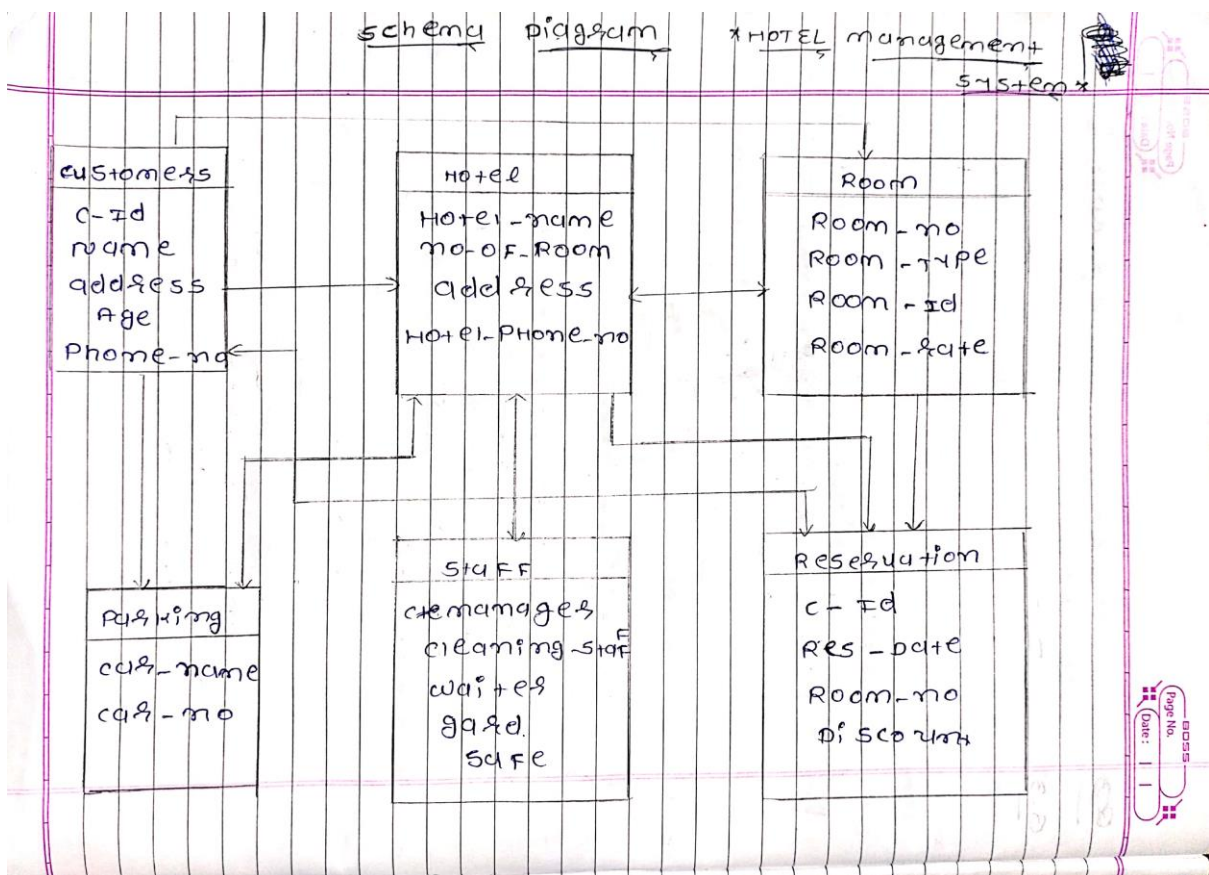
- 1. Abstract [10-15 lines]
- 2. Schema Diagram
- 3. E-R Diagram [Cardinality constraints]
- 4. Schema Designing
- 5. Database in pgadmin [project_rollno]
 - All the tables, keys, data, queries[5-10queries]
- 6. Snapshots[TABLES AND QUERIES]
- 7. Conclusion [5 lines]
- All the tables and queries one sql file.
- .zip [pdf of report and .sql file]

1)Abstract.

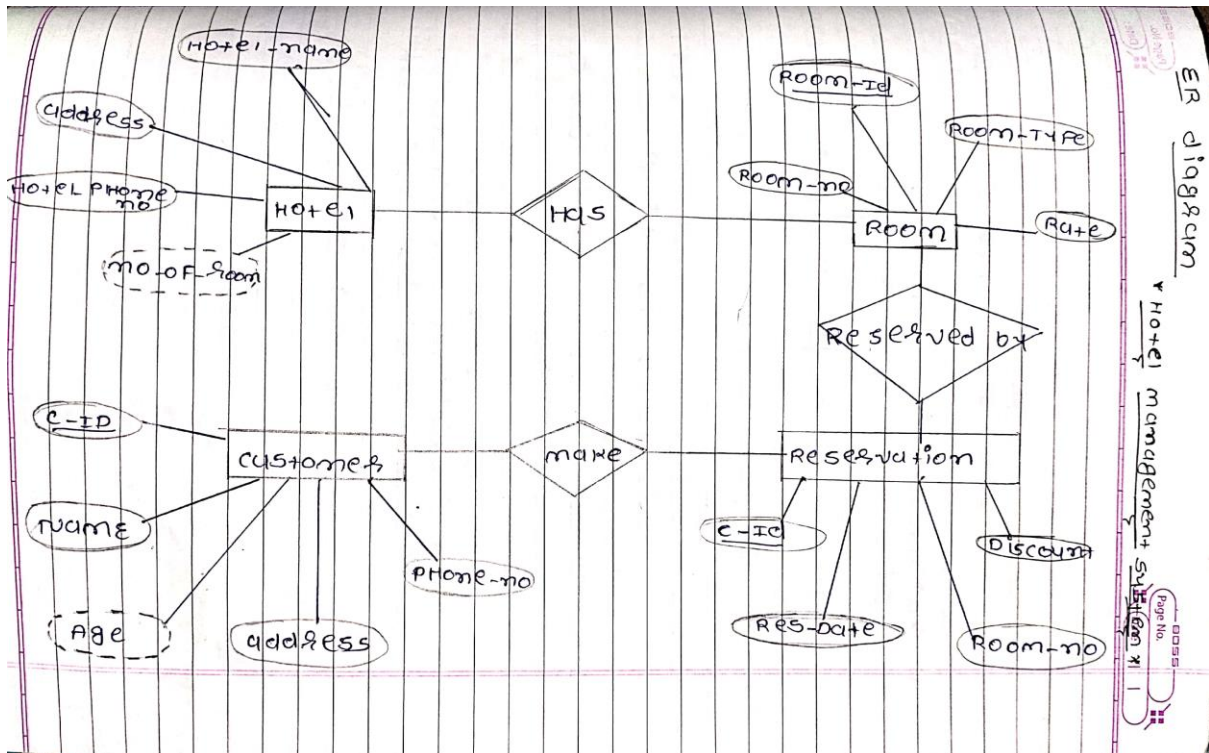
- In this project on Hotel Management System, we have a tried to show how to the data and information in Hotel Managed. In this project are very useful in customer and hotel owner. Customer can see every detail in every room and hotel management system service is good or not good. Every detail in safe in customer. I have a create a table in database . this table input every detail in like customer, waiter, Master safe, cleaning staff and guard. Table

is created, after Table created every detail in input in database system. Hotel Management System is best Management System. All data are covered in My data. I have a draw schema diagram and E-R diagram. And last I have a create Schema Designing. And last I have a create a database server and put the all value.

2) Schema Diagram.



3) E-R Diagram [Cardinality constraints].



4) Schema Designing.

Hotel(Hotel_name,Address,Hotel phone no,No_of_room)

Customer(c_ID,Name,Age,Address,Phone_no)

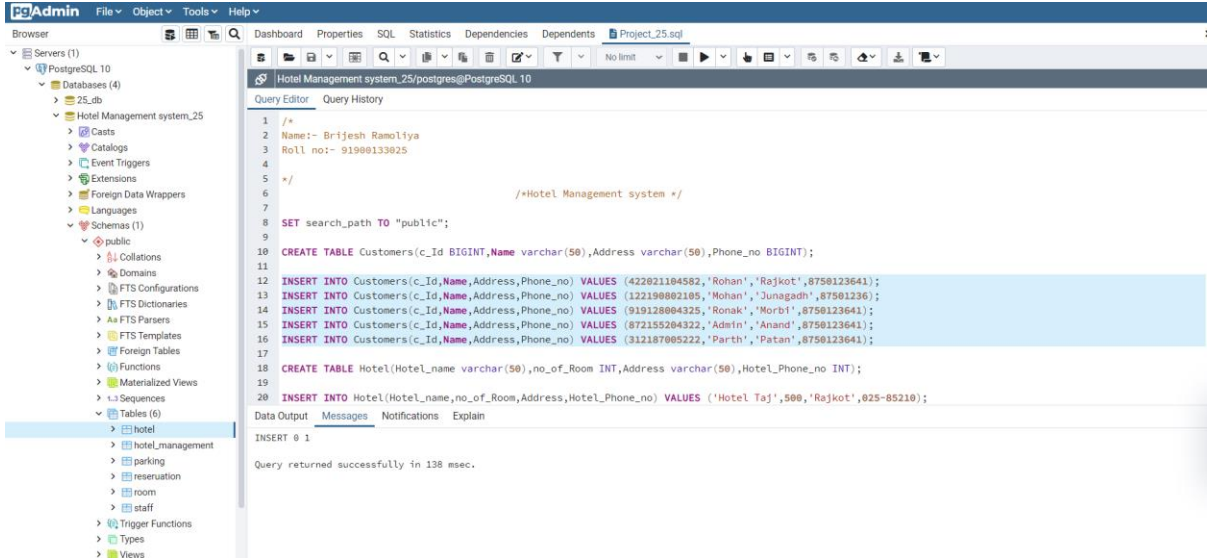
Room(Room_ID,Room_no,Room_type,Rate)

Reservation(C_ID,Res_Date,Room_no,Discount)

6) Snapshots [TABLES AND QUERIES].

TABLE:-

[1] Customers



The screenshot shows the PgAdmin interface with the 'Hotel Management system_25' database selected. The 'Query Editor' window displays the following SQL script:

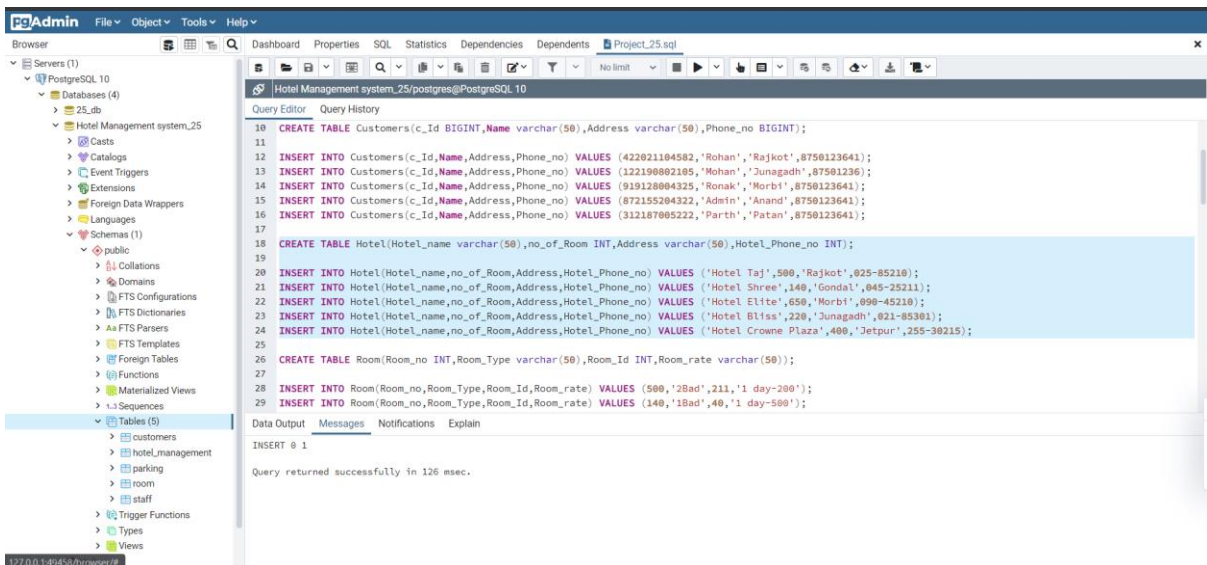
```

1  /*
2  Name:- Brijesh Ramoliya
3  Roll no:- 91980133825
4
5  */
6
7  /*Hotel Management system */
8
9  SET search_path TO "public";
10
11 CREATE TABLE Customers(c_Id BIGINT,Name varchar(50),Address varchar(50),Phone_no BIGINT);
12
13 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (422821184582,'Rohan','Rajkot',8750123641);
14 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (122198802185,'Mohan','Junagadh',87501236);
15 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (919128804325,'Ronak','Morbi',8750123641);
16 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (872155284322,'Admin','Anand',8750123641);
17 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (312187085222,'Parth','Patan',8750123641);
18
19 CREATE TABLE Hotel(Hotel_name varchar(50),no_of_Room INT,Address varchar(50),Hotel_Phone_no INT);
20
21 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Taj',500,'Rajkot',825-85210);
22
23 INSERT 0 1

```

The 'Data Output' tab shows the result: 'Query returned successfully in 138 msec.'

[2] Hotel



The screenshot shows the PgAdmin interface with the 'Hotel Management system_25' database selected. The 'Query Editor' window displays the following SQL script:

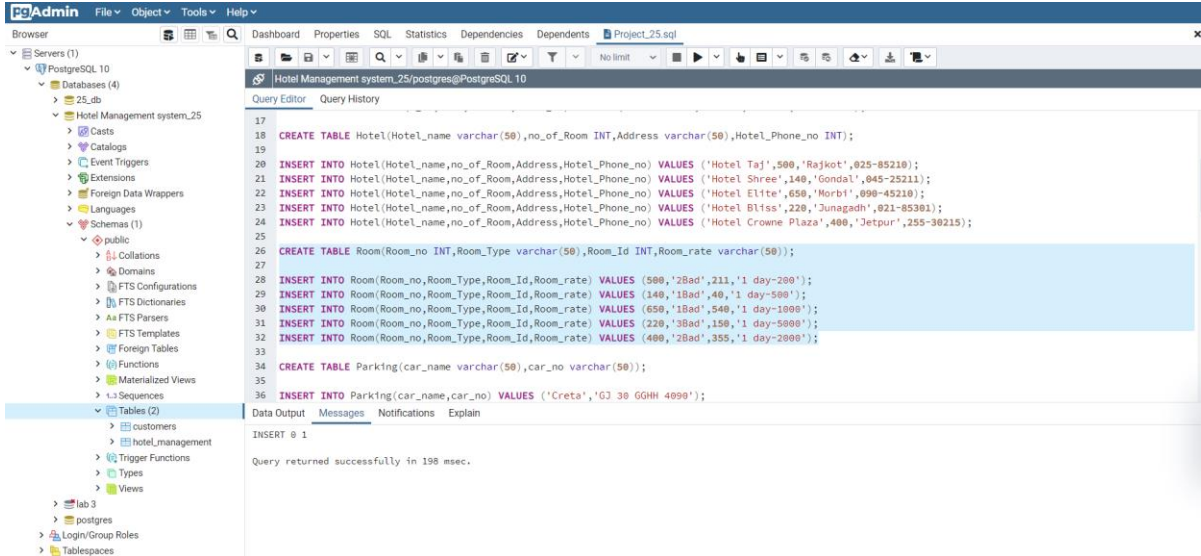
```

10 CREATE TABLE Customers(c_Id BIGINT,Name varchar(50),Address varchar(50),Phone_no BIGINT);
11
12 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (422821184582,'Rohan','Rajkot',8750123641);
13 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (122198802185,'Mohan','Junagadh',87501236);
14 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (919128804325,'Ronak','Morbi',8750123641);
15 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (872155284322,'Admin','Anand',8750123641);
16 INSERT INTO Customers(c_Id,Name,Address,Phone_no) VALUES (312187085222,'Parth','Patan',8750123641);
17
18 CREATE TABLE Hotel(Hotel_name varchar(50),no_of_Room INT,Address varchar(50),Hotel_Phone_no INT);
19
20 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Taj',500,'Rajkot',825-85210);
21 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Shree',140,'Gondal',845-25211);
22 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Elite',650,'Morbi',898-45210);
23 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Bliss',220,'Junagadh',821-85381);
24 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Crowne Plaza',400,'Jetpur',255-38215);
25
26 CREATE TABLE Room(Room_no INT,Room_Type varchar(50),Room_Id INT,Room_rate varchar(50));
27
28 INSERT INTO Room(Room_no,Room_Type,Room_Id,Room_rate) VALUES (500,'2Bad',211,'1 day-200');
29 INSERT INTO Room(Room_no,Room_Type,Room_Id,Room_rate) VALUES (140,'1Bad',40,'1 day-500');
30
31 INSERT 0 1

```

The 'Data Output' tab shows the result: 'Query returned successfully in 126 msec.'

[3]Room



The screenshot shows the PgAdmin interface with the 'Hotel Management system_25/postgres@PostgreSQL 10' database selected. The 'Query Editor' window displays the following SQL queries:

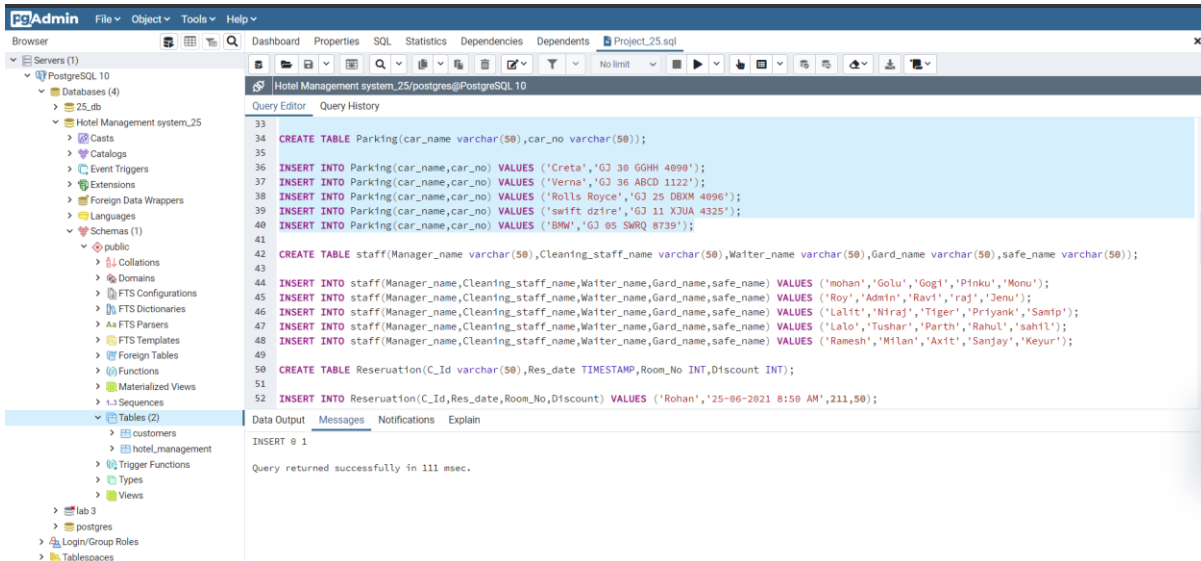
```

17 CREATE TABLE Hotel(Hotel_name varchar(50),no_of_Room INT,Address varchar(50),Hotel_Phone_no INT);
18
19
20 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Taj',500,'Rajkot',825-85210);
21 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Shree',140,'Gondal',845-25211);
22 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Elite',650,'Morbi',890-45210);
23 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Bliss',220,'Junagadh',821-85301);
24 INSERT INTO Hotel(Hotel_name,no_of_Room,Address,Hotel_Phone_no) VALUES ('Hotel Crowne Plaza',400,'Jetpur',255-30215);
25
26 CREATE TABLE Room(Room_no INT,Room_Type varchar(50),Room_Id INT,Room_rate varchar(50));
27
28 INSERT INTO Room(Room_no,Room_Type,Room_Id,Room_rate) VALUES (500,'2Bad',211,'1 day-200');
29 INSERT INTO Room(Room_no,Room_Type,Room_Id,Room_rate) VALUES (140,'1Bad',40,'1 day-500');
30 INSERT INTO Room(Room_no,Room_Type,Room_Id,Room_rate) VALUES (650,'1Bad',540,'1 day-1000');
31 INSERT INTO Room(Room_no,Room_Type,Room_Id,Room_rate) VALUES (220,'3Bad',150,'1 day-5000');
32 INSERT INTO Room(Room_no,Room_Type,Room_Id,Room_rate) VALUES (400,'2Bad',355,'1 day-2000');
33
34 CREATE TABLE Parking(car_name varchar(50),car_no varchar(50));
35
36 INSERT INTO Parking(car_name,car_no) VALUES ('Creta','GJ 38 GGH 4990');
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99

```

The 'Data Output' tab shows the result of the first query, indicating that the query returned successfully in 198 msec.

[4] Parking



The screenshot shows the PgAdmin interface with the 'Hotel Management system_25/postgres@PostgreSQL 10' database selected. The 'Query Editor' window displays the following SQL queries:

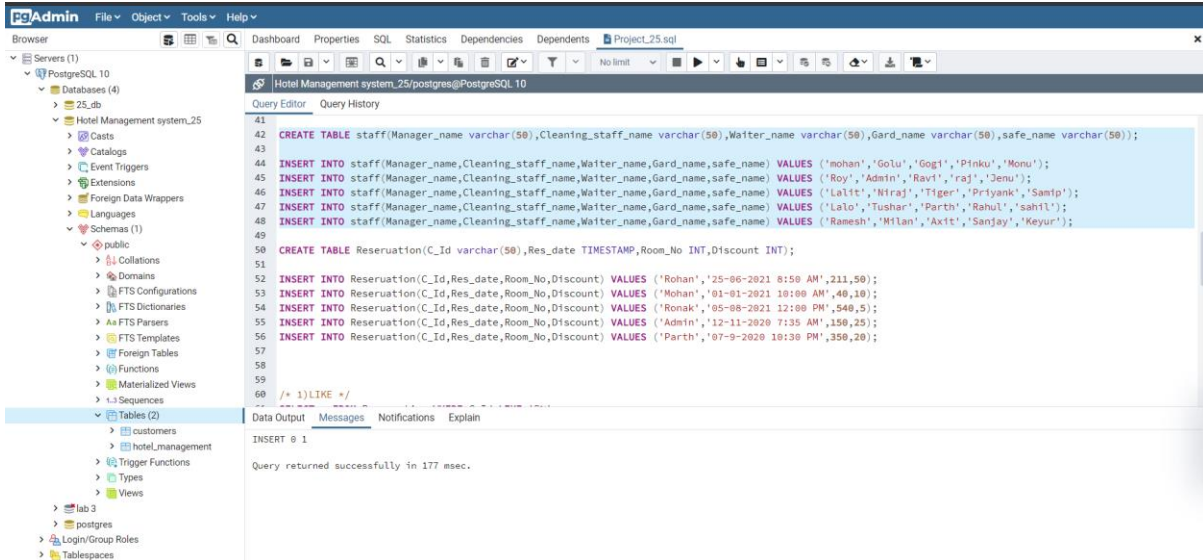
```

33 CREATE TABLE Parking(car_name varchar(50),car_no varchar(50));
34
35
36 INSERT INTO Parking(car_name,car_no) VALUES ('Creta','GJ 38 GGH 4990');
37 INSERT INTO Parking(car_name,car_no) VALUES ('Verna','GJ 36 ABCD 1122');
38 INSERT INTO Parking(car_name,car_no) VALUES ('Rolls Royce','GJ 25 DBX 4096');
39 INSERT INTO Parking(car_name,car_no) VALUES ('swift dzire','GJ 11 XJUA 4325');
40 INSERT INTO Parking(car_name,car_no) VALUES ('BMW','GJ 05 SWRQ 8739');
41
42 CREATE TABLE staff(Manager_name varchar(50),Cleaning_staff_name varchar(50),Waiter_name varchar(50),Gard_name varchar(50),safe_name varchar(50));
43
44 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('mohan','Golu','Gogi','Pinku','Monu');
45 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Roy','Aditi','Ravi','Raj','Jenu');
46 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Lalit','Niraj','Tiger','Priyank','Sanip');
47 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Lalo','Tushar','Parth','Rahul','sahil');
48 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Ramesh','Milan','Axit','Sanjay','Keyur');
49
50 CREATE TABLE Reservation(C_Id varchar(50),Res_date TIMESTAMP,Room_No INT,Discount INT);
51
52 INSERT INTO Reservation(C_Id,Res_date,Room_No,Discount) VALUES ('Rohan','25-06-2021 8:50 AM',211,50);
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99

```

The 'Data Output' tab shows the result of the first query, indicating that the query returned successfully in 111 msec.

[5] staff



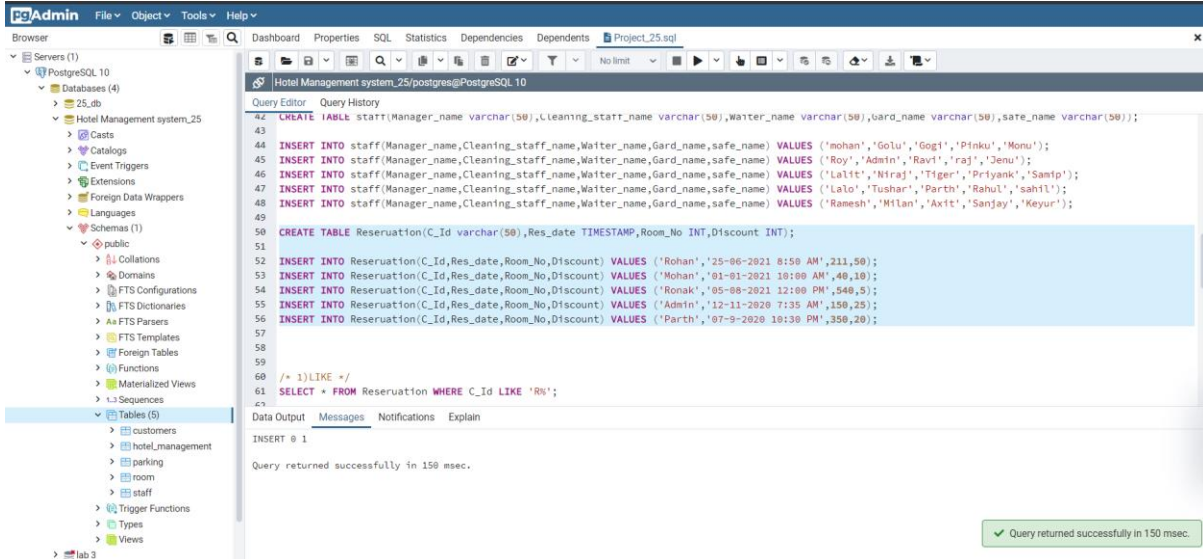
The screenshot shows the PostgreSQL Admin interface with the following SQL queries executed:

```

41 CREATE TABLE staff(Manager_name varchar(50),Cleaning_staff_name varchar(50),Waiter_name varchar(50),Gard_name varchar(50),safe_name varchar(50));
42
43
44 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('mohan','Golu','Gogi','Pinku','Monu');
45 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Roy','Admin','Ravi','raj','Jenu');
46 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Lalit','Niraj','Tiger','Priyank','Sanip');
47 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Lalo','Tushar','Parth','Rahul','sahil');
48 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Ramesh','Milan','Axit','Sanjay','Keyur');
49
50 CREATE TABLE Reseruotion(C_Id varchar(50),Res_date TIMESTAMP,Room_No INT,Discount INT);
51
52 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Rohan','25-06-2021 8:50 AM',211,50);
53 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Mohan','01-01-2021 10:00 AM',40,10);
54 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Ronak','05-08-2021 12:00 PM',540,5);
55 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Admin','12-11-2020 7:35 AM',150,25);
56 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Parth','07-9-2020 10:30 PM',350,20);
57
58 /* 1)LIKE */
59
60
Data Output Messages Notifications Explain
INSERT 0 1
Query returned successfully in 177 msec.

```

[6] Reseruotion



The screenshot shows the PostgreSQL Admin interface with the following SQL queries executed:

```

42 CREATE TABLE staff(Manager_name varchar(50),Cleaning_staff_name varchar(50),Waiter_name varchar(50),Gard_name varchar(50),safe_name varchar(50));
43
44 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('mohan','Golu','Gogi','Pinku','Monu');
45 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Roy','Admin','Ravi','raj','Jenu');
46 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Lalit','Niraj','Tiger','Priyank','Sanip');
47 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Lalo','Tushar','Parth','Rahul','sahil');
48 INSERT INTO staff(Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name) VALUES ('Ramesh','Milan','Axit','Sanjay','Keyur');
49
50 CREATE TABLE Reseruotion(C_Id varchar(50),Res_date TIMESTAMP,Room_No INT,Discount INT);
51
52 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Rohan','25-06-2021 8:50 AM',211,50);
53 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Mohan','01-01-2021 10:00 AM',40,10);
54 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Ronak','05-08-2021 12:00 PM',540,5);
55 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Admin','12-11-2020 7:35 AM',150,25);
56 INSERT INTO Reseruotion(C_Id,Res_date,Room_No,Discount) VALUES ('Parth','07-9-2020 10:30 PM',350,20);
57
58 /* 1)LIKE */
59
60 SELECT * FROM Reseruotion WHERE C_Id LIKE 'R%';
61
Data Output Messages Notifications Explain
INSERT 0 1
Query returned successfully in 150 msec.

```

Queries:-

[1] LIKE

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25 Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Schemas (1) public Collations Domains FTS Configurations FTS Dictionaries FTS Parsers FTS Templates Foreign Tables Functions Materialized Views Sequences **Tables (5)** customers hotel_management parking room staff Trigger Functions Types Views Lab 3

Dashboard Properties SQL Statistics Dependencies Dependents Project_25.sql

Hotel Management system_25/postgres@PostgreSQL 10

Query Editor Query History

```

56 INSERT INTO Reservation(C_Id,Res_date,Room_No,Discount) VALUES ('Parth','07-9-2020 10:30 PM',350,20);
57
58
59
60 /* 1)LIKE */
61 SELECT * FROM Reservation WHERE C_Id LIKE 'R%';
62
63 /* 2)ORDER BY */
64 SELECT * FROM Hotel ORDER BY Address;
65 SELECT * FROM Hotel ORDER BY Hotel_name,no_of_Room,Address,Hotel_Phone_no DESC;
66
67 /* 3)VIEW */
68 CREATE VIEW vview AS SELECT Hotel_name FROM Hotel WHERE no_of_Room= 500;
69
70 /* 4)OUTPUT ONE ROW */
71 SELECT C_Id,Res_date,Room_No,Discount FROM Reservation WHERE Room_no =211;
72
73 /* 5)MIN && MAX*/
74 SELECT * FROM Reservation WHERE Discount=(SELECT MIN(Discount) FROM Reservation);
75 SELECT * FROM Room WHERE Room_Id=(SELECT MAX(Room_Id) FROM Room);

```

Data Output Messages Notifications Explain

c_id	res_date	room_no	discount
character varying (50)	timestamp without time zone	integer	integer
1 Rohan	2021-06-25 08:50:00	211	50
2 Ronak	2021-08-05 12:00:00	540	5

[2] ORDER BY

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25 Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Schemas (1) public Collations Domains FTS Configurations FTS Dictionaries FTS Parsers FTS Templates Foreign Tables Functions Materialized Views Sequences **Tables (5)** customers hotel_management parking room staff Trigger Functions Types Views Lab 3

Dashboard Properties SQL Statistics Dependencies Dependents Project_25.sql

Hotel Management system_25/postgres@PostgreSQL 10

Query Editor Query History

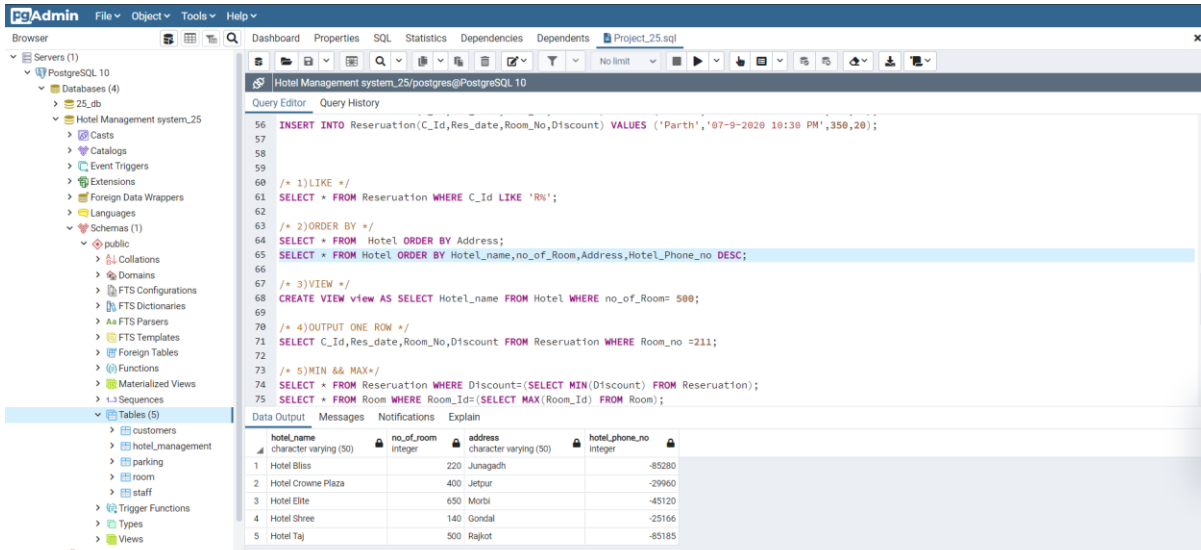
```

56 INSERT INTO Reservation(C_Id,Res_date,Room_No,Discount) VALUES ('Parth','07-9-2020 10:30 PM',350,20);
57
58
59
60 /* 1)LIKE */
61 SELECT * FROM Reservation WHERE C_Id LIKE 'R%';
62
63 /* 2)ORDER BY */
64 SELECT * FROM Hotel ORDER BY Address;
65 SELECT * FROM Hotel ORDER BY Hotel_name,no_of_Room,Address,Hotel_Phone_no DESC;
66
67 /* 3)VIEW */
68 CREATE VIEW vview AS SELECT Hotel_name FROM Hotel WHERE no_of_Room= 500;
69
70 /* 4)OUTPUT ONE ROW */
71 SELECT C_Id,Res_date,Room_No,Discount FROM Reservation WHERE Room_no =211;
72
73 /* 5)MIN && MAX*/
74 SELECT * FROM Reservation WHERE Discount=(SELECT MIN(Discount) FROM Reservation);
75 SELECT * FROM Room WHERE Room_Id=(SELECT MAX(Room_Id) FROM Room);

```

Data Output Messages Notifications Explain

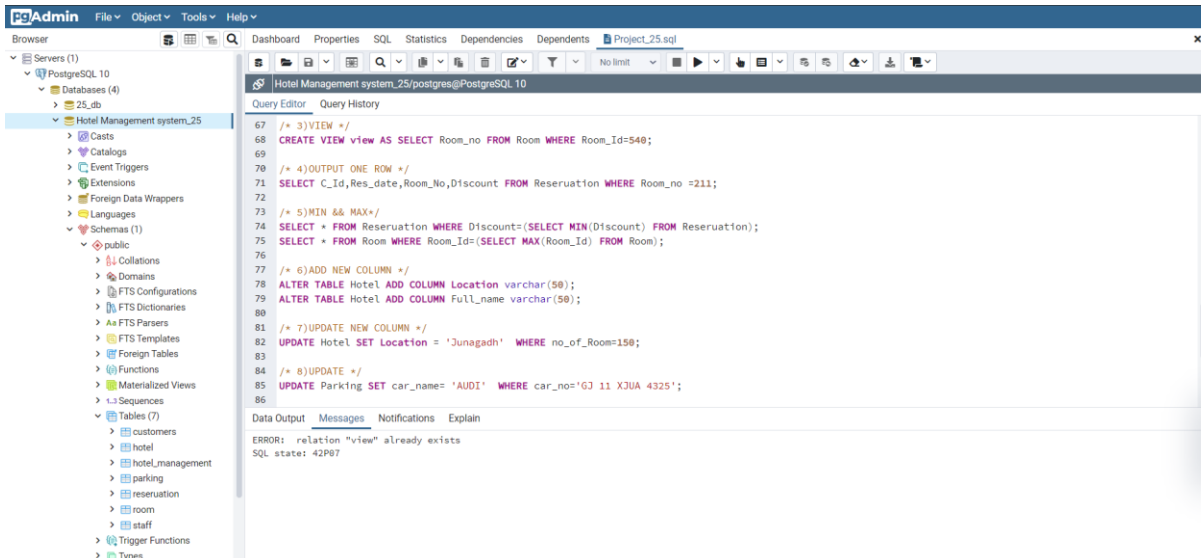
hotel_name	no_of_room	address	hotel_phone_no
character varying (50)	integer	character varying (50)	integer
1 Hotel Shree	140 Gondal		-25166
2 Hotel Crowne Plaza	400 Jetpur		-29960
3 Hotel Bliss	220 Junagadh		-85280
4 Hotel Elite	650 Morbi		-45120
5 Hotel Taj	500 Rajkot		-85185



The screenshot shows the PgAdmin interface with a SQL query executed in the Query Editor. The query includes an insert statement, a select statement with a LIKE condition, an order by clause, a view creation statement, an output one row clause, a select statement with a WHERE condition, a min/max clause, and a select statement with a WHERE condition. The Data Output tab shows the results of the query, which includes a table with 5 rows and 4 columns: hotel_name, no_of_room, address, and hotel_phone_no.

hotel_name	no_of_room	address	hotel_phone_no
Hotel Bliss	220	Junagadh	-85280
Hotel Crowne Plaza	400	Jetpur	-29960
Hotel Elite	650	Morbi	-45120
Hotel Shree	140	Gondal	-25166
Hotel Taj	500	Rajkot	-85185

[3] VIEW



The screenshot shows the PgAdmin interface with a SQL query executed in the Query Editor. The query includes a view creation statement, an output one row clause, a select statement with a WHERE condition, a min/max clause, a select statement with a WHERE condition, an add new column clause, an alter table clause, an update new column clause, an update clause, and an update clause. The Data Output tab shows the results of the query, which includes a table with 7 rows and 4 columns: hotel_name, no_of_room, address, and hotel_phone_no. The output also shows an error message: "ERROR: relation 'view' already exists SQL state: 42P07".

hotel_name	no_of_room	address	hotel_phone_no
Hotel Bliss	220	Junagadh	-85280
Hotel Crowne Plaza	400	Jetpur	-29960
Hotel Elite	650	Morbi	-45120
Hotel Shree	140	Gondal	-25166
Hotel Taj	500	Rajkot	-85185

[4] OUTPUT ONE ROW

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25

Query Editor: Project_25.sql

```

70 /* 4)OUTPUT ONE ROW */
71 SELECT C_Id,Res_date,Room_No,Discount FROM Reservation WHERE Room_no =211;
72
73 /* 5)MIN && MAX*/
74 SELECT * FROM Reservation WHERE Discount=(SELECT MIN(Discount) FROM Reservation);
75 SELECT * FROM Room WHERE Room_Id=(SELECT MAX(Room_Id) FROM Room);
76
77 /* 6)ADD NEW COLUMN */
78 ALTER TABLE Hotel ADD COLUMN Location varchar(50);
79 ALTER TABLE Hotel ADD COLUMN Full_name varchar(50);
80
81 /* 7)UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89

```

Data Output: Messages Notifications Explain

c_id	res_date	room_no	discount
character varying (50)	timestamp without time zone	integer	integer
1 Rohan	2021-06-25 08:50:00	211	50

[5] MIN && MAX

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25

Query Editor: Project_25.sql

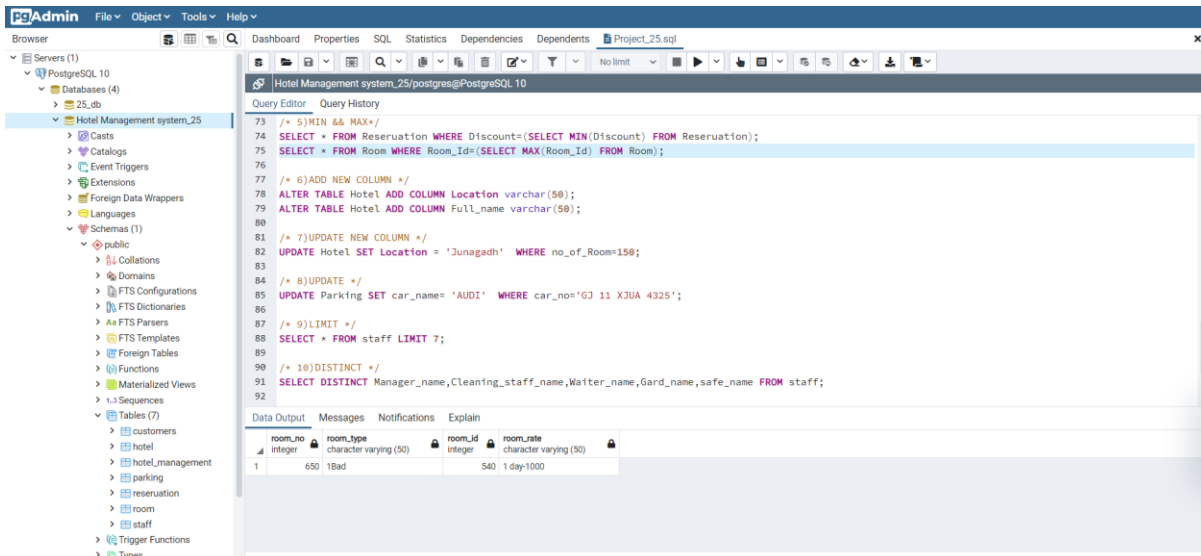
```

73 /* 5)MIN && MAX*/
74 SELECT * FROM Reservation WHERE Discount=(SELECT MIN(Discount) FROM Reservation);
75 SELECT * FROM Room WHERE Room_Id=(SELECT MAX(Room_Id) FROM Room);
76
77 /* 6)ADD NEW COLUMN */
78 ALTER TABLE Hotel ADD COLUMN Location varchar(50);
79 ALTER TABLE Hotel ADD COLUMN Full_name varchar(50);
80
81 /* 7)UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name FROM staff;
92

```

Data Output: Messages Notifications Explain

c_id	res_date	room_no	discount
character varying (50)	timestamp without time zone	integer	integer
1 Ronak	2021-08-05 12:00:00	540	5



pgAdmin interface showing the Query Editor for the 'Hotel Management system_25' database. The SQL script includes commands for selecting data, adding columns, and updating values.

```

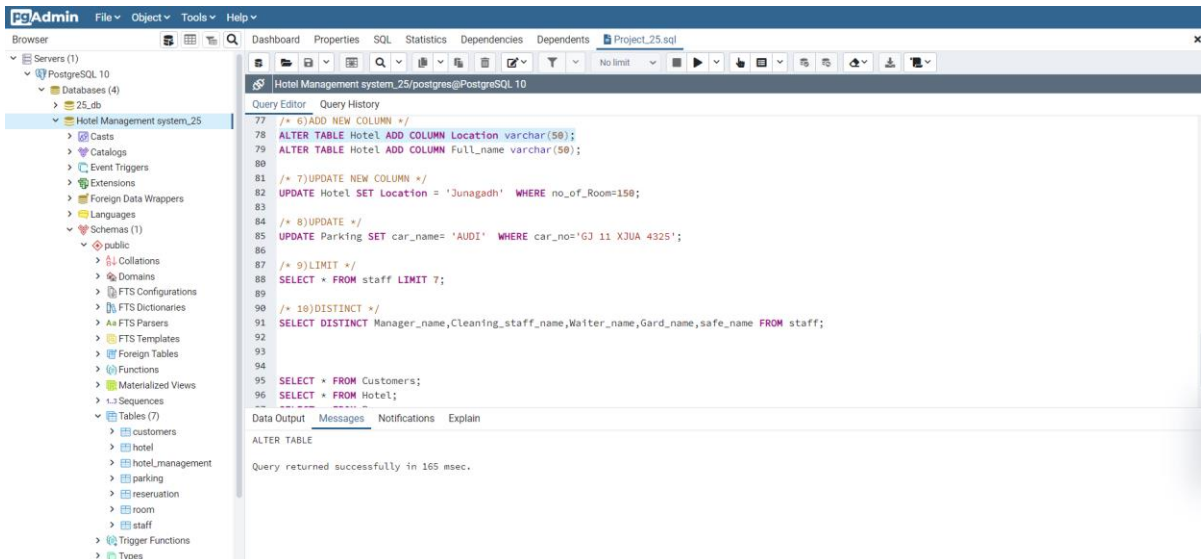
73 /* 5)MIN && MAX*/
74 SELECT * FROM Reservation WHERE Discount=(SELECT MIN(Discount) FROM Reservation);
75 SELECT * FROM Room WHERE Room_Id=(SELECT MAX(Room_Id) FROM Room);
76
77 /* 6)ADD NEW COLUMN */
78 ALTER TABLE Hotel ADD COLUMN Location varchar(50);
79 ALTER TABLE Hotel ADD COLUMN Full_name varchar(50);
80
81 /* 7)UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name FROM staff;
92

```

The 'Data Output' tab displays the result of the SELECT query on the 'Hotel' table:

room_no	room_type	room_id	room_rate
Integer	character varying (50)	Integer	character varying (50)
1	650 1Bad	540	1 day-1000

[6] ADD NEW COLUMN



pgAdmin interface showing the Query Editor for the 'Hotel Management system_25' database. The SQL script includes commands for adding columns and updating values.

```

77 /* 6)ADD NEW COLUMN */
78 ALTER TABLE Hotel ADD COLUMN Location varchar(50);
79 ALTER TABLE Hotel ADD COLUMN Full_name varchar(50);
80
81 /* 7)UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97

```

The 'Messages' tab displays the successful execution of the ALTER TABLE command:

```

ALTER TABLE
Query returned successfully in 165 msec.

```

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25

Query Editor: Query History

```

77 /* 6) ADD NEW COLUMN */
78 ALTER TABLE Hotel ADD COLUMN Location varchar(50);
79 ALTER TABLE Hotel ADD COLUMN Full_name varchar(50);
80
81 /* 7) UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8) UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9) LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10) DISTINCT */
91 SELECT DISTINCT Manager_name, Cleaning_staff_name, Waiter_name, Gard_name, safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97
98
99
100

```

Data Output Messages Notifications Explain

ALTER TABLE

Query returned successfully in 102 msec.

✓ Query returned successfully in 102 msec.

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25

Query Editor: Query History

```

81 /* 7) UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8) UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9) LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10) DISTINCT */
91 SELECT DISTINCT Manager_name, Cleaning_staff_name, Waiter_name, Gard_name, safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97 SELECT * FROM Room;
98 SELECT * FROM Parking;
99 SELECT * FROM staff;
100 SELECT * FROM Reservation;

```

Data Output Messages Notifications Explain

hotel_name	no_of_room	address	hotel_phone_no	location	full_name
character varying (50)	integer	character varying (50)	integer	character varying (50)	character varying (50)
1 Hotel Taj	500	Rajkot	-85185	[null]	[null]
2 Hotel Shree	140	Gondal	-25166	[null]	[null]
3 Hotel Elite	650	Morbi	-45120	[null]	[null]
4 Hotel Bliss	220	Junagadh	-85280	[null]	[null]
5 Hotel Crowne Plaza	400	Jetpur	-29960	[null]	[null]

[7] UPDATE NEW COLUMN

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25

Query Editor: Project_25.sql

```

81 /* 7)UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97 SELECT * FROM Room;
98 SELECT * FROM Parking;
99 SELECT * FROM staff;
100 SELECT * FROM Reservation;

```

Data Output Messages Notifications Explain

UPDATE 0

Query returned successfully in 132 msec.

✓ Query returned successfully in 132 msec.

pgAdmin File Object Tools Help

Browser: Servers (1) PostgreSQL 10 Databases (4) 25_db Hotel Management system_25

Query Editor: Project_25.sql

```

81 /* 7)UPDATE NEW COLUMN */
82 UPDATE Hotel SET Location = 'Junagadh' WHERE no_of_Room=150;
83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97 SELECT * FROM Room;
98 SELECT * FROM Parking;
99 SELECT * FROM staff;
100 SELECT * FROM Reservation;

```

Data Output Messages Notifications Explain

hotel_name	no_of_room	address	hotel_phone_no	location	full_name
Hotel Taj	500	Rajkot	-85185	[null]	[null]
Hotel Shree	140	Gondal	-25166	[null]	[null]
Hotel Elite	650	Morbi	-45120	[null]	[null]
Hotel Bliss	220	Junagadh	-85280	[null]	[null]
Hotel Crowne Plaza	400	Jetpur	-29960	[null]	[null]

[8] UPDATE

pgAdmin File Object Tools Help

Browser: PostgreSQL 10, Databases (4), 25_db, Hotel Management system_25

Query Editor: Project_25.sql

```

83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97 SELECT * FROM Room;
98 SELECT * FROM Parking;
99 SELECT * FROM staff;
100 SELECT * FROM Reservation;
101
102

```

Data Output: Messages Notifications Explain

UPDATE 1

Query returned successfully in 122 msec.

✓ Query returned successfully in 122 msec.

pgAdmin File Object Tools Help

Browser: PostgreSQL 10, Databases (4), 25_db, Hotel Management system_25

Query Editor: Project_25.sql

```

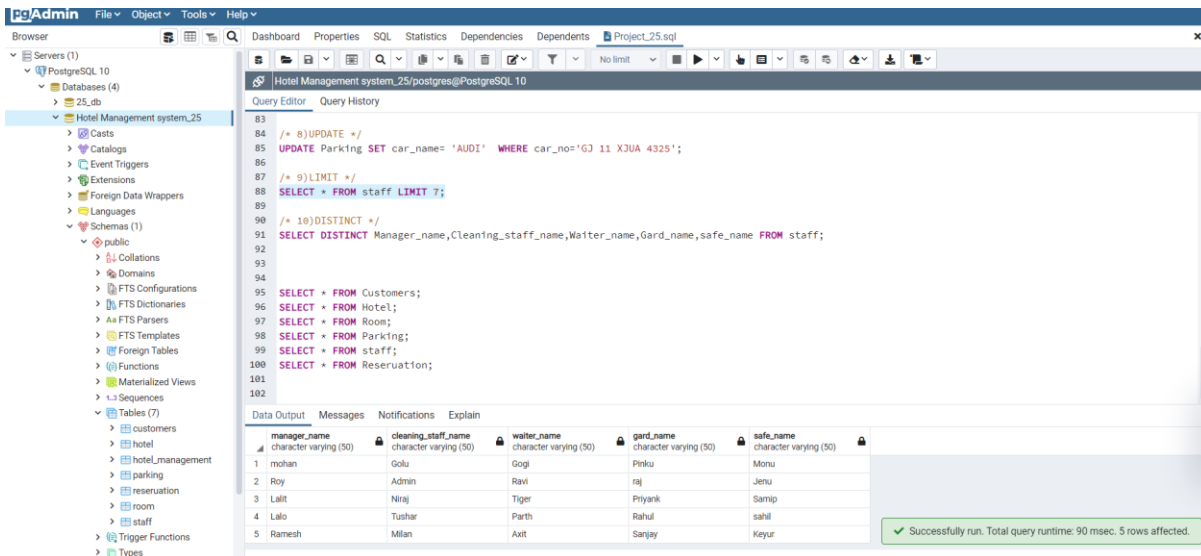
83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Waiter_name,Gard_name,safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97 SELECT * FROM Room;
98 SELECT * FROM Parking;
99 SELECT * FROM staff;
100 SELECT * FROM Reservation;
101
102

```

Data Output: Messages Notifications Explain

car_name	car_no
1 Creta	GJ 30 GHH 4090
2 Verna	GJ 36 ABCD 1122
3 Rolls Royce	GJ 25 DBKM 4096
4 BMW	GJ 05 SWRQ 8739
5 AUDI	GJ 11 XJUA 4325

[9] LIMIT



The screenshot shows the PostgreSQL Admin interface. The left sidebar displays the database structure, including the 'Hotel Management system_25' database. The main window shows the 'Query Editor' with the following SQL query:

```

83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Walter_name,Gard_name,safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97 SELECT * FROM Room;
98 SELECT * FROM Parking;
99 SELECT * FROM staff;
100 SELECT * FROM Reservation;
101
102

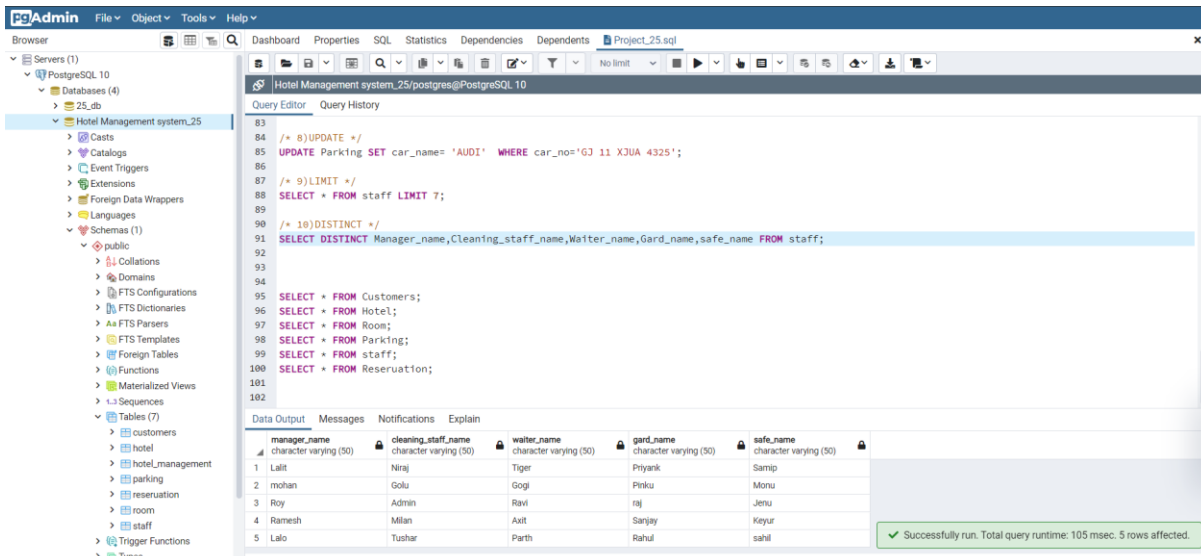
```

The 'Data Output' tab shows the results of the query. The table has 5 columns: manager_name, cleaning_staff_name, walter_name, gard_name, and safe_name. The results are as follows:

manager_name	cleaning_staff_name	walter_name	gard_name	safe_name
1 mohan	Golu	Gogi	Pinku	Monu
2 Roy	Admin	Ravi	raj	Jenu
3 Lalit	Niraj	Tiger	Priyank	Samip
4 Lalo	Tushar	Parth	Rahul	sahil
5 Ramesh	Milan	Axit	Sanjay	Keyur

A green message at the bottom right states: "Successfully run. Total query runtime: 90 msec. 5 rows affected."

[10] DISTINCT



The screenshot shows the PostgreSQL Admin interface. The left sidebar displays the database structure, including the 'Hotel Management system_25' database. The main window shows the 'Query Editor' with the following SQL query:

```

83
84 /* 8)UPDATE */
85 UPDATE Parking SET car_name= 'AUDI' WHERE car_no='GJ 11 XJUA 4325';
86
87 /* 9)LIMIT */
88 SELECT * FROM staff LIMIT 7;
89
90 /* 10)DISTINCT */
91 SELECT DISTINCT Manager_name,Cleaning_staff_name,Walter_name,Gard_name,safe_name FROM staff;
92
93
94
95 SELECT * FROM Customers;
96 SELECT * FROM Hotel;
97 SELECT * FROM Room;
98 SELECT * FROM Parking;
99 SELECT * FROM staff;
100 SELECT * FROM Reservation;
101
102

```

The 'Data Output' tab shows the results of the query. The table has 5 columns: manager_name, cleaning_staff_name, walter_name, gard_name, and safe_name. The results are as follows:

manager_name	cleaning_staff_name	walter_name	gard_name	safe_name
1 Lalit	Niraj	Tiger	Priyank	Samip
2 mohan	Golu	Gogi	Pinku	Monu
3 Roy	Admin	Ravi	raj	Jenu
4 Ramesh	Milan	Axit	Sanjay	Keyur
5 Lalo	Tushar	Parth	Rahul	sahil

A green message at the bottom right states: "Successfully run. Total query runtime: 105 msec. 5 rows affected."

7) Conclusion.

- This Project Aims at create a Hotel Management System. I have a learn so many data type in input in database system. In this project is design to meet a requirement in all data input in one database. I have a learn many query in project. The Hotel Management system I have a created so many column in database. This project is not easy.