

SQL Statements of all Queries:

- 1) Retrieve data of a restaurant by its restaurant id.

The screenshot shows a PostgreSQL Query Editor interface. The top bar includes tabs for 'Query Editor' (which is selected), 'Query History', and 'Scratch Pad'. Below the tabs is a code editor containing the following SQL query:

```
1 set search_path to food_delivery_system;
2
3 SELECT * FROM restaurant
4 WHERE restaurant_id='117';
```

Below the code editor is a 'Notifications' section. Underneath that is a table with columns 'Recorded time', 'Event', 'Process ID', and 'Payload'. A message 'No data found' is displayed below the table. At the bottom of the interface are tabs for 'Data Output' (which is selected), 'Explain', and 'Messages'. The 'Data Output' tab displays the results of the query in a table:

restaurant_id	restaurant_name	restaurant_address	restaurant_password	restaurant_phoneno	admin_id
117	Tafri Baaz Cafe	Vikas Surya Plaza, G-70 & 78 Plot no-18, Sector 3, Rohini, New Delhi, Delhi...	Tf@123	8586858111	1

2) Retrieve data of a menu items by using category id.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT * FROM Menu_items
4 WHERE category_id='207'
```

Notifications

Recorded time	Event	Process ID
No data found		

Data Output Explain Messages

	item_code [PK] integer	item_name character varying (20)	price integer	category_id integer	
1	322	peach mojito	180	207	
2	323	hazlenut coffee	135	207	
3	324	kewi juice	90	207	

- 3) Retrieve the item name and its price, quantity and order status and total amount of order.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT item_name, price, quantity, order_status, order_amount
4 FROM Menu_items m , Orders o, Order_details od
5 WHERE m.item_code=o.item_code AND o.order_id=od.order_id
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

	item_name character varying (20)	price integer	quantity integer	order_status character varying (20)	order_amount integer	
1	aloo-cheese paratha	120	2	Preparing	240	
2	hazlenut coffee	135	1	delivered	270	
3	uttampam	115	3	delivered	345	
4	Dry manchrian	200	2	preparing	400	
5	lasaniya bataka	250	1	delivered	250	
6	White Pasta	230	1	preparing	230	
7	idli-sambhar	120	3	delivered	300	
8	muskabun	25	2	preparing	50	

4) Retrieve data of customers delivery address and order's amount by filtering payment mode.

Query Editor Query History Scratch Pad X

```
1 set search_path to food_delivery_system;
2
3 SELECT customer_firstname, customer_lastname, delivery_address, order_amount, payment_mode
4 FROM customer c, Order_details od, delivery_details d, Payment_details p
5 WHERE c.customer_id=od.customer_id AND d.delivery_id=od.delivery_id AND p.payment_id=od.payment_id
6 And payment_mode='COD'
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

customer_firstname character varying (30)	customer_lastname character varying (30)	delivery_address character varying (150)	order_amount integer	payment_mode character varying (15)
1 Jainam	Shah	Shopno1, Nirmal House, Tembhi Naka, Opp Jain Mandir,khopat, Thane ,Mumbai,Maharashtra-400...	270	COD
2 Heer	Madia	Bee House 138, Kodambakkam High Road, Nungambakkam,Chennai,Tamil Nadu-600034	400	COD
3 Karan	Punjabi	117, Examiner Bldg, Nagindas Master Road, Fort,Mumbai,Maharashtra-400001	230	COD
4 Johnson	Thomas	A/108, A/108 1st, Doctor House, Paldi,Ahmedabad,Gujrat-380006	50	COD

5) Retrieve the data of restaurant by its category id.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT category_name, restaurant_name, restaurant_address, restaurant_phoneno
4 FROM category c, restaurant r
5 WHERE c.restaurant_id=r.restaurant_id
6 And category_id='201'
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

	category_name character varying (15)	restaurant_name character varying (20)	restaurant_address character varying (150)	restaurant_phoneno character varying (10)
1	SOUTH-INDIAN	Hatch Malleshwaram	3rd Floor 30, 1st, Sampige Rd, Malleswara, Bengaluru, Karnataka 560003	8762203148

- 6) Search the food items and category name by filtering price value.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT item_name, category_name, price
4 FROM category c, menu_items m
5 WHERE m.category_id=c.category_id
6 And price>'250'
```

Notifications

Recorded time	Event	Process ID
		No data found

Data Output Explain Messages

	item_name character varying (20)	category_name character varying (15)	price integer
1	Magherita pizza	ITALIAN	400
2	gotala dosa	SOUTH-INDIAN	300
3	rigan no olo	KATHIAWADI	300

7) Retrieve the restaurant name and time of order when it is placed which is delivered.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT restaurant_name, order_timestamp
4 FROM restaurant r, Order_details od
5 WHERE r.restaurant_id=od.restaurant_id
6 AND order_status='delivered'
```

Notifications

Recorded time	Event	Pr
		No data fou

Data Output Explain Messages

	restaurant_name character varying (20)	order_timestamp timestamp without time zone
1	Spice Terrace	2020-02-19 09:11:40
2	Ummrao	2019-12-04 11:55:13
3	Tafri Baaz Cafe	2018-10-15 13:14:28
4	Grand Chola Hotel	2021-08-12 14:16:12

8) Retrieve the necessary data of payment and order.

Query Editor Query History Scratch Pad X

```
1 set search_path to food_delivery_system;
2
3 SELECT order_amount, order_timestamp, payment_mode, payment_timestamp
4 FROM Order_Details od, Payment_Details p
5 WHERE od.payment_id=p.payment_id
6
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

	order_amount integer	order_timestamp timestamp without time zone	payment_mode character varying (15)	payment_timestamp timestamp without time zone	
1	240	2020-11-15 15:13:30	Online	2020-11-15 15:12:33	
2	270	2019-12-04 11:55:13	COD	2019-12-04 11:13:43	
3	345	2018-10-15 13:14:28	CARD	2018-10-15 13:12:28	
4	400	2016-07-09 15:52:00	COD	2016-07-09 15:12:03	
5	250	2021-08-12 14:16:12	Online	2021-08-12 14:12:12	
6	230	2018-09-03 01:35:28	COD	2018-09-03 01:13:13	
7	300	2020-02-19 09:11:40	CARD	2020-02-19 09:08:48	
8	50	2019-01-18 00:55:18	COD	2019-01-18 00:07:53	

9) Retrieve the rating table whose rating is greater than or equal to 3.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT * FROM Rating
4 WHERE ratings >= 3
```

Notifications

Recorded time	Event	F
		No data fo

Data Output Explain Messages

	ratings integer	customer_id integer	restaurant_id integer
1	3	101	111
2	4	102	114
3	4	104	120
4	3	106	115
5	4	108	113
6	3	109	112
7	4	110	119
8	3	109	124

10) Retrieve the payment details between 2 dates.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT * FROM Payment_details
4 WHERE payment_timestamp BETWEEN '2019-01-01' AND '2021-12-31'
```

Notifications

Recorded time	Event	Process ID
No data found		

Data Output Explain Messages

	payment_id [PK] integer	payment_mode character varying (15)	payment_timestamp timestamp without time zone
1	501	Online	2020-11-15 15:12:33
2	502	COD	2019-12-04 11:13:43
3	505	Online	2021-08-12 14:12:12
4	507	CARD	2020-02-19 09:08:48
5	508	COD	2019-01-18 00:07:53

11) Retrieve menu table between two price limits.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT * FROM Menu_items
4 WHERE price BETWEEN '50' AND '120'
```

Notifications

Recorded time	Event	Process ID
No data found		

Data Output Explain Messages

	Item_code [PK] integer	Item_name character varying (20)	price integer	category_id integer	
1	305	uttampam	115	201	
2	306	idli-sambhar	120	201	
3	307	aloo-cheese paratha	120	202	
4	309	chole kulche	100	202	
5	317	chocolate brownie	115	208	
6	318	pancakes	120	208	
7	319	burger	55	206	
8	320	french fries	100	206	
9	324	kewi juice	90	207	

12) Retrieve data of delivery table whose delivery status is picked up.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT * FROM delivery_details
4 WHERE delivery_status='Picked-up'
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

	delivery_id [PK] integer	delivery_address character varying (150)	delivery_status character varying (30)
1	404	Bee House 138, Kodambakkam High Road, Nungambakkam,Chennai,Tamil Nadu-600034	Picked-up
2	409	66 Sector 24 Mujesar, Ram Swaroop Colony,Delhi,Haryana-121001	Picked-up
3	410	A/108, A/108 1st, Doctor House, Paldi,Ahmedabad,Gujrat-380006	Picked-up

13) Retrieve the data of customer by searching phone number.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT customer_firstname ,customer_lastname, delivery_address, restaurant_name, payment_mode, payment_timestamp
4 FROM customer c, delivery_details d, payment_details p, order_details od, restaurant r
5 WHERE c.customer_id=od.customer_id AND d.delivery_id=od.delivery_id AND p.payment_id=od.payment_id AND r.restaurant_id=od.restaurant_id
6 AND customer_phoneno='8902345789'
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

customer_firstname character varying (30)	customer_lastname character varying (30)	delivery_address character varying (150)	restaurant_name character varying (20)	payment_mode character varying	payment_timestamp timestamp without time zone
1 Heer	Madia	Bee House 138, Kodambakkam High Road, Nungambakkam,Chennai,Tamil Nadu-600034	AnalakshmiRestaurant	COD	2016-07-09 15:12:03
2 Heer	Madia	Bee House 138, Kodambakkam High Road, Nungambakkam,Chennai,Tamil Nadu-600034	Grand Chola Hotel	Online	2021-08-12 14:12:12

14) Retrieve the rating of restaurant and customer who gave the rating in descending order of rating.

Query Editor Query History

```
1 set search_path to food_delivery_system;
2
3 SELECT customer_firstname, customer_lastname, restaurant_name, restaurant_address, ratings
4 FROM customer c, restaurant r, rating rt
5 WHERE c.customer_id=rt.customer_id AND rt.restaurant_id=r.restaurant_id
6 ORDER BY ratings desc
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

customer_firstname	customer_lastname	restaurant_name	restaurant_address	ratings
Jainam	Shah	Yauatcha Mumbai	Raheja Tower, Bandra Kurla Complex, Bandra East, Mumbai, Maharashtra 400051	4
Celia	Anthony	Spice Terrace	24, JW Marriott Bengaluru, 1, Vittal Mallya Rd, Ashok Nagar, Bengaluru, Karnataka 560001	4
Dhara	Bhatt	Varq	The Taj Mahal Hotel, No.1, Near, Man Singh Rd, Khan Market, India Gate, New Delhi, Delhi 110011	4
Heer	Madia	AnalakshmiRestaur...	No 6 Mayor Ramanathan Salai, Spur Tank road, Chennai, Tamil Nadu 600031	4
Johnson	Thomas	Tomatos	Mardia Plaza, Ground Floor, 1, 2, 3, Chimanlal Gidharlal Rd, opp. रिलांस हाउस, Near Associated Petrol Pu...	3
Karan	Punjabi	Ummrao	C.T.S No 215 Andheri Kurla Road Andheri east, Mumbai, Maharashtra 400059	3
Johnson	Thomas	Hatch Malleshwaram	3rd Floor 30, 1st, Sampige Rd, Malleswara, Bengaluru, Karnataka 560003	3
Harsh	Mehta	Karavalli	Vivanta Bengaluru, 66, Residency Rd, Bengaluru, Karnataka 560025	3
Aman	Pandya	Tafri Baaz Cafe	Vikas Surya Plaza, G-70 & 78 Plot no-18, Sector 3, Rohini, New Delhi, Delhi 110085	2

15) Retrieve the menu items with its price and category name in ascending order with respect to category id.

```
Query Editor Query History
1 set search_path to food_delivery_system;
2
3 SELECT item_name, category_name, c.category_id, price
4 FROM Menu_items m, category c
5 Where m.category_id=c.category_id AND c.category_id NOT IN(205)
6 ORDER BY c.category_id asc
```

Notifications

Recorded time	Event	Process ID	Payload
No data found			

Data Output Explain Messages

	item_name character varying (20)	category_name character varying (15)	category_id integer	price integer
1	gotala dosa	SOUTH-INDIAN	201	300
2	idli-sambhar	SOUTH-INDIAN	201	120
3	uttampam	SOUTH-INDIAN	201	115
4	chole kulche	NORTH-INDIAN	202	100
5	aloo-cheese paratha	NORTH-INDIAN	202	120
6	Paneer pasanda	NORTH-INDIAN	202	250
7	Arabita Pasta	ITALIAN	203	200
8	Magherita pizza	ITALIAN	203	400
9	White Pasta	ITALIAN	203	230
10	CHINESE BHEL	CHINESE	204	150

Data Output Explain Messages

	item_name character varying (20)	category_name character varying (15)	category_id integer	price integer
8	Magnherita pizza	ITALIAN	203	400
9	White Pasta	ITALIAN	203	230
10	CHINESE BHEL	CHINESE	204	150
11	Dry manchrian	CHINESE	204	200
12	Fried rice	CHINESE	204	210
13	burger	SNACKS	206	55
14	muskabun	SNACKS	206	25
15	french fries	SNACKS	206	100
16	kewi juice	BEVRAGES	207	90
17	peach mojito	BEVRAGES	207	180
18	hazlenut coffee	BEVRAGES	207	135
19	waffle	DESSERTS	208	220
20	pancakes	DESSERTS	208	120
21	chocolate brownie	DESSERTS	208	115