

Action Output

#	Time	Action	Message	Duration / Fetch
1	10:06:14	use day23	0 row(s) affected	0.000 sec
2	10:06:18	show tables	10 row(s) returned	0.016 sec / 0.000 sec

Limit to 1000 rows

```
31
32 -- 1) check is that any room available in required specific date range
33
34 • SELECT room_id,hotel_name,room_type,availability FROM rooms_large
35 INNER JOIN hotels_large ON rooms_large.hotel_id = hotels_large.hotel_id
36 WHERE rooms_large.availability = "yes" and room_type="single"
37 AND rooms_large.room_id NOT IN (SELECT reservations_large.room_id FROM reservations_large
38 WHERE reservations_large.check_in BETWEEN '2024-09-01' AND '2024-09-02'
39 or reservations_large.check_out between '2024-10-01' and '2024-10-02');
```

Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:

	room_id	hotel_name	room_type	availability
▶	3	Macdonald, Camacho and Contreras Hotel	Single	Yes
	4	Macdonald, Camacho and Contreras Hotel	Single	Yes
	10	Macdonald, Camacho and Contreras Hotel	Single	Yes
	14	Macdonald, Camacho and Contreras Hotel	Single	Yes
	15	Macdonald, Camacho and Contreras Hotel	Single	Yes
	17	Macdonald, Camacho and Contreras Hotel	Single	Yes
	27	Macdonald, Camacho and Contreras Hotel	Single	Yes
	31	Macdonald, Camacho and Contreras Hotel	Single	Yes
	33	Macdonald, Camacho and Contreras Hotel	Single	Yes
	34	Macdonald, Camacho and Contreras Hotel	Single	Yes
	57	Macdonald, Camacho and Contreras Hotel	Single	Yes


              


Limit to 1000 rows

```
46
47  -- 2)calculate total revenue by room type across all hotels
48
49 • select room_type,sum(res.total_price)as total_revenue
50   from rooms_large
51  join reservations_large res on rooms_large.room_id=res.room_id
52  group by room_type
53  order by total_revenue desc;
54
55  -- who spent most on reservations
```


<

Result Grid

 Filter Rows:

Export: 

Wrap Cell Content: 








	room_type	total_revenue
▶	Single	20621460.490000013
	Double	18292286.410000023
	Suite	17352491.670000001

```

56
57 -- who spent most on reservations
58 • select customers_large.customer_id,customers_large.first_name,customers_large.last_name,
59 sum(reservations_large.total_price)as total_spent
60 from customers_large |
61 join reservations_large on customers_large.customer_id=reservations_large.customer_id
62 group by customers_large.customer_id
63 order by total_spent desc
64 limit 3;
65

```

Result Grid   Filter Rows: | Exports:  | Wrap Cell Content:  | Fetch rows: 

	customer_id	first_name	last_name	total_spent
	941	Justin	Carroll	273124.71
	898	Jessica	Williams	255797.38
	751	Dennis	Raymond	246617.14

```
66
67  -- FIND CUSTOMERS WHO MADE RESERVATIONS IN MULTIPL CITIES.
68
69 • SELECT reservations_large.customer_id,customers_large.first_name,customers_large.last_name,
70 COUNT(DISTINCT hotels_large.city) AS city_count
71 FROM reservations_large
72 JOIN hotels_large ON reservations_large.hotel_id = hotels_large.hotel_id
73 JOIN customers_large ON reservations_large.customer_id = customers_large.customer_id
74 GROUP BY reservations_large.customer_id, customers_large.first_name, customers_large.last_name
75 HAVING COUNT(DISTINCT hotels_large.city) > 1
76 order by city_count desc;
77
```

	customer_id	first_name	last_name	city_count
▶	675	Thomas	Lopez	9
	49	Henry	Vaughn	8
	557	Wendy	Kelly	8
	585	Tommy	Rollins	8
	587	William	Gates	8
	601	Hannah	Galleqos	8

Limit to 1000 rows

```
79
80 -- find hotels with maximum reservations cancelled
81
82 • SELECT hotels_large.hotel_id,hotels_large.hotel_name,hotels_large.city,hotels_large.country,
83 COUNT(booking_history.history_id) AS canceled_reservations
84 FROM booking_history
85 JOIN reservations_large ON booking_history.reservation_id = reservations_large.reservation_id
86 JOIN hotels_large ON reservations_large.hotel_id = hotels_large.hotel_id
87 WHERE booking_history.status = 'Cancelled'
88 GROUP BY hotels_large.hotel_id, hotels_large.hotel_name, hotels_large.city, hotels_large.country
89 ORDER BY canceled_reservations desc;
```

Result Grid Filter Rows: Export: Wrap Cell Content: IA

	hotel_id	hotel_name	city	country	canceled_reservations
30		Kelley Inc Hotel	Port Pamelaburgh	Norfolk Island	27
58		Vasquez-Bates Hotel	Curryland	Ireland	25
100		Hopkins Inc Hotel	Kevinview	Aruba	25
92		Ramirez, Byrd and Jenkins Hotel	Bergville	Canada	25
76		Pratt Inc Hotel	Bethburgh	Guatemala	23
54		Hunt, Lozano and Levy Hotel	North Heather	Uganda	23
55		Rodriguez, Greene and Crawford Hotel	Port Steven	Comoros	22
48		Aguirre, Jordan and Daugherty Hotel	Port Christianburgh	Ethiopia	21

Result 8 x

Read On


```

91
92 -- IDENTIFY THE CUSTOMERS WHO MOST TIME IN HOTELS
93 • SELECT reservations_large.customer_id,customers_large.first_name,customers_large.last_name,hotels_
94 DATEDIFF(reservations_large.check_out, reservations_large.check_in) AS stay_duration
95 FROM reservations_large
96 JOIN customers_large ON reservations_large.customer_id = customers_large.customer_id
97 JOIN hotels_large ON reservations_large.hotel_id = hotels_large.hotel_id
98 WHERE DATEDIFF(reservations_large.check_out, reservations_large.check_in) > 90
99 ORDER BY stay_duration desc;
100
101

```

customer_id	first_name	last_name	hotel_name	stay_duration
470	Margaret	Fisher	Hunt, Lozano and Levy Hotel	274
984	Lisa	Prince	Sullivan, Jones and Hansen Hotel	271
915	David	Jones	Shepherd-Mccarthy Hotel	268
947	Alexander	Brown	Silva Ltd Hotel	267
312	Vicki	Hall	Pham, Mckinney and Hubbard Hotel	263
813	Brian	Kane	Mcdaniel-Hansen Hotel	261
151	Jerry	Robertson	Hawkins LLC Hotel	260
905	Jenna	Shepherd	Scott, Torres and Fuller Hotel	259

Result 9 x

Result Grid

Form Editor

Read On

Limit to 1000 rows

```
123 -- create view for query
124 • create or replace view first_query as
125 SELECT room_id,hotel_name,room_type,availability FROM rooms_large
126 INNER JOIN hotels_large ON rooms_large.hotel_id = hotels_large.hotel_id
127 WHERE rooms_large.availability = "yes" and room_type="single"
128 AND rooms_large.room_id NOT IN (SELECT reservations_large.room_id FROM reservations_large
129 WHERE reservations_large.check_in BETWEEN '2024-09-01' AND '2024-09-02'
130 or reservations_large.check_out between '2024-10-01' and '2024-10-02');
131
132 -- call the view
133 • select * from first_query;
```

Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:

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	27	Macdonald, Camacho and Contreras Hotel	Single	Yes
	31	Macdonald, Camacho and Contreras Hotel	Single	Yes
	33	Macdonald, Camacho and Contreras Hotel	Single	Yes
	34	Macdonald, Camacho and Contreras Hotel	Single	Yes