

Oracle SQL Developer

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hotel_dwh_conn1.sql Welcome Page hotel_dwh_conn

6.38000011 seconds

Worksheet Query Builder

```
SELECT YEAR,
       MONTH,
       SUM(TOTAL_BOOKINGS) OVER(ORDER BY YEAR, MONTH ROWS BETWEEN UNBOUNDED PRECEDING AND CURRENT ROW) AS CUMULATIVE_BOOKINGS
FROM (
  SELECT t.YEAR, t.MONTH, COUNT(*) AS TOTAL_BOOKINGS
  FROM FACT_BOOKING f
  JOIN DIM_TIME t ON f.ID_ARRIVAL_DATE = t.ID_DATE
  GROUP BY t.YEAR, t.MONTH
) bookings_per_month
ORDER BY YEAR, MONTH;
```

Script Output

Task completed in 6.38 seconds

YEAR	MONTH	CUMULATIVE_BOOKINGS
2015	7	1672
2015	8	4119
2015	9	6953
2015	10	9647
2015	11	11309
2015	12	13264
2016	1	15133
2016	2	17932
2016	3	21758
2016	4	25525
2016	5	29302
YEAR	MONTH	CUMULATIVE_BOOKINGS
2016	6	32817
2016	7	36659

Messages - Log

Messages Logging Page Statements

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hotel_dwh_conn1.sql Welcome Page hotel_dwh_conn

2.5940001 seconds

Worksheet Query Builder

```
SELECT g.ID_GUEST,
       COUNT(f.ID_BOOKING) AS TOTAL_BOOKINGS,
       SUM(f.ADR * (f.WEEKEND_NIGHTS + f.WEEK_NIGHTS)) AS TOTAL_REVENUE,
       AVG(f.LEAD_TIME) AS AVG_LEAD_TIME
FROM FACT_BOOKING f
JOIN DIM_GUEST g ON f.ID_GUEST = g.ID_GUEST
GROUP BY g.ID_GUEST
ORDER BY TOTAL_REVENUE DESC
FETCH FIRST 10 ROWS ONLY;
```

Script Output

Task completed in 2.594 seconds

ID_GUEST	TOTAL_BOOKINGS	TOTAL_REVENUE	AVG_LEAD_TIME
10620	1	7590	126
10619	1	6630	113
9978	1	6300	378
44679	1	6148	16
38727	1	5400	35
44981	1	4967.7	65
47244	1	4868.01	3
22431	1	4452	82
46241	1	4200	123
45007	1	4141.2	66

10 rows selected.

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Database Schema Service Connections

hotel_dwh_conn1.sql Welcome Page hotel_dwh_conn

3.5520005 seconds

Worksheet Query Builder

```
SELECT h.HOTEL_TYPE,
       s.DISTRIBUTION_CHANNEL,
       d.DEPOSIT_TYPE,
       COUNT(f.ID_BOOKING) AS TOTAL_BOOKINGS,
       SUM(CASE WHEN bs.BOOKING_STATUS = 'Canceled' THEN 1 ELSE 0 END) AS TOTAL_CANCELLATIONS,
       ROUND(SUM(CASE WHEN bs.BOOKING_STATUS = 'Canceled' THEN 1 ELSE 0 END)/COUNT(*)*100, 2) AS CANCELLATION_RATE
FROM FACT_BOOKING f
JOIN DIM_HOTEL h ON f.ID_HOTEL = h.ID_HOTEL
JOIN DIM_SALES_CHANNEL s ON f.ID_SALES_CHANNEL = s.ID_CHANNEL
JOIN DIM_DEPOSIT d ON f.ID_DEPOSIT = d.ID_DEPOSIT
JOIN DIM_BOOKING_STATUS bs ON f.ID_BOOKING_STATUS = bs.ID_STATUS
GROUP BY h.HOTEL_TYPE, s.DISTRIBUTION_CHANNEL, d.DEPOSIT_TYPE
ORDER BY CANCELLATION_RATE DESC;
```

Script Output

Task completed in 3.552 seconds

HOTEL_TYPE	DISTRIBUTION_CHANNEL	DEPOSIT_TYPE	TOTAL_BOOKINGS
City Hotel	Direct	Refundable	1
City Hotel	Undefined	No Deposit	4
City Hotel	IA/TO	Non Refund	767
Resort Hotel	IA/TO	Non Refund	128
Resort Hotel	Direct	Non Refund	34
City Hotel	Direct	Non Refund	19
City Hotel	Corporate	Non Refund	59
City Hotel	IA/TO	Refundable	11
Resort Hotel	Corporate	Non Refund	31
Resort Hotel	IA/TO	Refundable	32
City Hotel	Corporate	Refundable	3

HOTEL_TYPE	DISTRIBUTION_CHANNEL	DEPOSIT_TYPE	TOTAL_BOOKINGS
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hotel_dwh_conn1.sql Welcome Page hotel_dwh_conn

1.602 seconds

Worksheet Query Builder

```
SELECT t.YEAR,
       t.MONTH,
       COUNT(*) AS TOTAL_BOOKINGS,
       AVG(f.LEAD_TIME) AS AVG_LEAD_TIME,
       SUM(CASE WHEN f.LEAD_TIME > 30 THEN 1 ELSE 0 END) AS LONG_LEAD_BOOKINGS,
       ROUND(SUM(CASE WHEN f.LEAD_TIME > 30 THEN 1 ELSE 0 END)/COUNT(*)*100, 2) AS LONG_LEAD_PERCENT
FROM FACT_BOOKING f
JOIN DIM_TIME t ON f.ID_ARRIVAL_DATE = t.ID_DATE
GROUP BY t.YEAR, t.MONTH
ORDER BY t.YEAR, t.MONTH;
```

Script Output

Task completed in 1.602 seconds

YEAR	MONTH	TOTAL_BOOKINGS	AVG_LEAD_TIME	LONG_LEAD_BOOKINGS	LONG_LEAD_PERCENT
2015	7	1672	79.7511962	1234	73.8
2015	8	2447	56.9605329	1318	53.86
2015	9	2834	74.4978829	1515	53.46
2015	10	2694	58.09317	1250	46.4
2015	11	1662	35.4506619	658	39.59
2015	12	1975	38.7351899	793	40.15
2016	1	1849	22.2482423	412	22.28
2016	2	2799	25.9649875	807	28.83
2016	3	3826	42.5875568	1953	51.05
2016	4	3767	59.4844704	2309	61.3
2016	5	3777	80.8739741	2454	64.97
YEAR	MONTH	TOTAL_BOOKINGS	AVG_LEAD_TIME	LONG_LEAD_BOOKINGS	LONG_LEAD_PERCENT
2016	6	3515	90.2870555	2365	67.28
2016	7	3842	104.117387	2894	75.33
2016	8	4415	105.314609	3247	73.54

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1.17999995 seconds

Worksheet Query Builder

```
WITH revenue_per_hotel AS (  
  SELECT h.HOTEL_TYPE,  
         r.ROOM_TYPE,  
         SUM(f.ADR) AS REVENUE  
  FROM FACT_BOOKING f  
  JOIN DIM_HOTEL h ON f.ID_HOTEL = h.ID_HOTEL  
  JOIN DIM_ROOM r ON f.ID_ASSIGNED_ROOM = r.ID_ROOM  
  GROUP BY h.HOTEL_TYPE, r.ROOM_TYPE  
)  
SELECT HOTEL_TYPE,  
       ROOM_TYPE,  
       REVENUE,  
       ROUND(REVENUE / SUM(REVENUE) OVER(PARTITION BY HOTEL_TYPE) * 100, 2) AS MARKET_SHARE_PERCENT  
FROM revenue_per_hotel  
ORDER BY HOTEL_TYPE, MARKET_SHARE_PERCENT DESC;
```

Script Output

Task completed in 1.18 seconds

HOTEL_TYPE	ROOM_TYPE	REVENUE	MARKET_SHARE_PERCENT
City Hotel	A	3753959.15	63.33
City Hotel	D	1423678.42	24.02
City Hotel	F	332150.46	5.6
City Hotel	E	230508.88	3.89
City Hotel	G	96491.97	1.63
City Hotel	B	89917.23	1.52
City Hotel	C	1196.75	.02
Resort Hotel	A	1444511.47	43.54
Resort Hotel	D	699995.44	20.81
Resort Hotel	E	530639.28	15.78
Resort Hotel	G	266153.69	7.91

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1.0540002 seconds

Worksheet Query Builder

```
SELECT h.HOTEL_TYPE,
       r.ROOM_TYPE,
       ROUND(CORR(f.ADR, f.LEAD_TIME), 2) AS CORR_ADR_LEADTIME,
       ROUND(CORR(f.ADR, f.WEEKEND_NIGHTS + f.WEEK_NIGHTS), 2) AS CORR_ADR_NIGHTS
FROM FACT_BOOKING f
JOIN DIM_HOTEL h ON f.ID_HOTEL = h.ID_HOTEL
JOIN DIM_ROOM r ON f.ID_ASSIGNED_ROOM = r.ID_ROOM
GROUP BY h.HOTEL_TYPE, r.ROOM_TYPE;
```

Script Output

Task completed in 1.054 seconds

HOTEL_TYPE	ROOM_TYPE	CORR_ADR_LEADTIME	CORR_ADR_NIGHTS
Resort Hotel	A	.09	.14
Resort Hotel	E	.07	.01
Resort Hotel	G	.14	.11
Resort Hotel	C	.16	.18
Resort Hotel	D	0	.02
Resort Hotel	F	.16	.24
Resort Hotel	H	.18	.18
Resort Hotel	L		.18
Resort Hotel	B	.79	.79
City Hotel	B	.14	.06
City Hotel	A	-0.03	0
HOTEL_TYPE	ROOM_TYPE	CORR_ADR_LEADTIME	CORR_ADR_NIGHTS
City Hotel	F	-0.01	-0.03
City Hotel	D	.03	-0.08
City Hotel	E	.09	.02
City Hotel	G	.2	.25
City Hotel	C	.29	.15