**QUARRY 1**

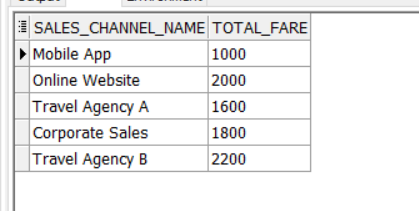
Your analysis shall also include the reservation process where finance team will be interested in analyzing the company profit. Note that reservation processes can take place through multiple channels.

SELECT C.sales\_channel\_name, SUM(R.Total\_Fare) AS total\_fare

FROM Reservations R

JOIN Sales\_Channel\_Dim C ON R.Sales\_Channel\_SID = C.Sales\_Channel\_SID

GROUP BY C.Sales\_Channel\_SID, C.sales\_channel\_name;



This query will return the revenue that the company gained from each channels

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**QUARRY 2**

In what fare basis does the the company’s frequent flyers pay

SELECT F.type, F.description, P.name

FROM RESERVATIONS R

JOIN FAIR\_BASIS\_DIM F

ON R.FAIR\_BASIS\_SID = F.FAIR\_BASIS\_SID

JOIN PASSENGER\_DIM P

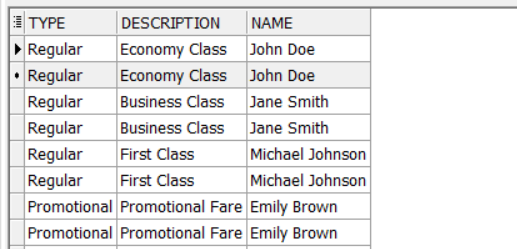
ON P.passenger\_sid = R.passenger\_sid

WHERE P.passenger\_sid IN (

SELECT Q.passenger\_sid

FROM FREQUENT\_FLYER Q

);



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**QUARRY 3**

how long the company’s frequent flyers overnight stays (OVERALL )

SELECT SUM(F.number\_of\_nights) AS total\_nights, P.name

FROM PASSENGER\_DIM P

JOIN TRAVEL\_SERVICES\_HOTEL\_STAY F

ON F.PASSENGER\_SID = P.PASSENGER\_SID

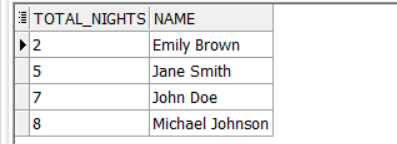
WHERE P.PASSENGER\_SID IN (

SELECT Q.passenger\_sid

FROM FREQUENT\_FLYER Q

)

GROUP BY P.name;



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**QUARRY 4**

The number of points earned and redeemed for frequent flyers

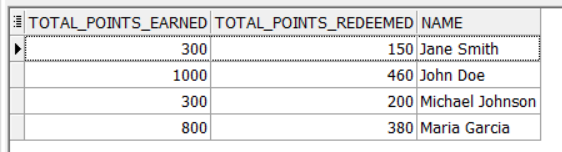
SELECT SUM(F.points\_earned) AS total\_points\_earned, SUM(Q.POINTS\_REDEEMED\_) AS total\_points\_redeemed, P.name

FROM PASSENGER\_DIM P

JOIN FLIGHT\_ACTIVITY F ON P.PASSENGER\_SID = F.PASSENGER\_SID

JOIN FREQUENT\_FLYER Q ON P.PASSENGER\_SID = Q.PASSENGER\_SID

GROUP BY P.name;



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**QUARRY 5**

Do frequent flyers respond to promotions ?

WITH PromotionResponse AS (

SELECT

COUNT(CASE WHEN R.promo\_sid IS NULL THEN R.TICKET\_ID\_DD END) AS NOT\_RESPONDING,

COUNT(CASE WHEN R.promo\_sid IS NOT NULL THEN R.TICKET\_ID\_DD END) AS RESPONDING,

P.name

FROM

RESERVATIONS R

JOIN

PASSENGER\_DIM P ON P.PASSENGER\_SID = R.PASSENGER\_SID

WHERE

P.passenger\_sid IN (

SELECT Q.PASSENGER\_SID

FROM FREQUENT\_FLYER Q

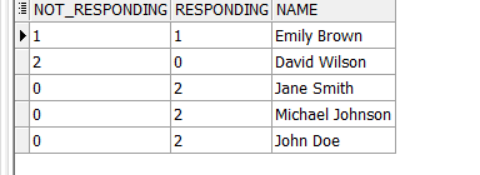
)

GROUP BY

P.name

)

SELECT \* FROM PromotionResponse;



**QUARRY 6**

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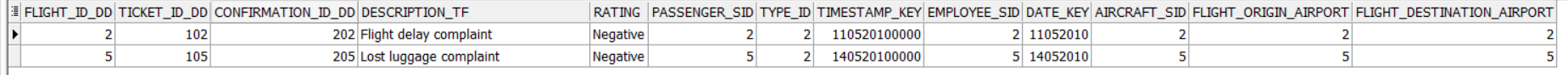
Show all negative Feedbacks

SELECT \*

FROM

CUSTOMER\_CARE\_FACT

where rating = 'Negative';



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