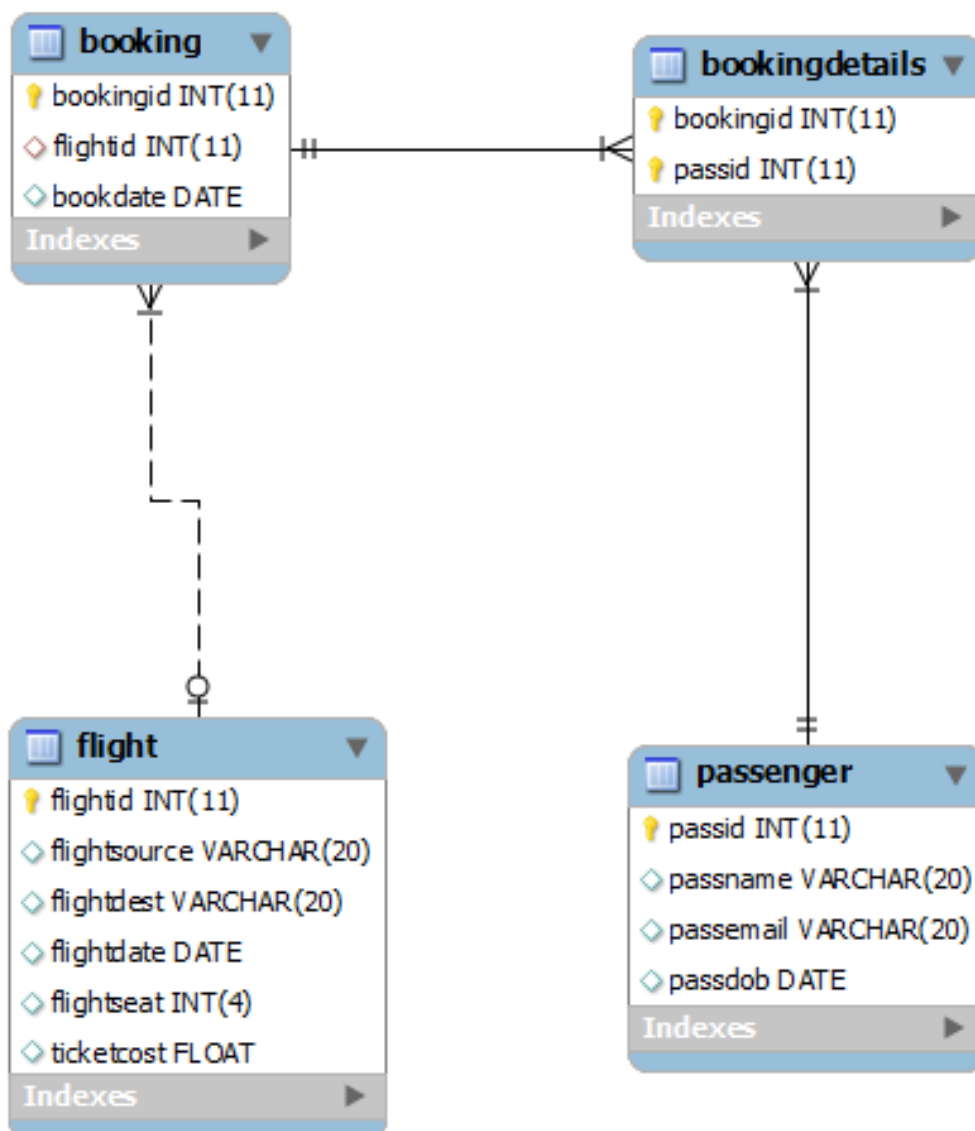


# SQL Questions:Flight Management system-1

1 Comment   SQL , Sql practice



## Flight Management system-1



Q./\* 1. Display passenger name who has a 'e' as second letter in their name\*/

```
select passname from passenger where passname like "_e%";
```

Q./\* 2. Display the name of the youngest passenger.\*/

```
select passname from passenger where passdob=
(select max(passdob) max from passenger);
```

Q./\* 3. Display the name of the passenger, date of birth and age.\*/

```
SELECT    PASSNAME,PASSDOB,ROUND((DATEDIFF(NOW(),PASSDOB)/365),2)    DATEDIFF    FROM
PASSENGER;
```

Q./\* 4. Display the number of flights leaving Kolkata.\*/

```
SELECT COUNT(*) NO_OF_FLIGHTS FROM FLIGHT WHERE FLIGHTSOURCE="KOL";
```

Q./\*5. Display the name of city where the number of flights leaving and reaching is the same.\*/

```
SELECT FLIGHTSOURCE FROM
(SELECT FLIGHTSOURCE,COUNT(*) C1 FROM FLIGHT GROUP BY FLIGHTSOURCE)A INNER JOIN
(SELECT FLIGHTDEST,COUNT(*) C2 FROM FLIGHT GROUP BY FLIGHTDEST)B ON A.C1=B.C2 AND
A.FLIGHTSOURCE=B.FLIGHTDEST;
```

Q./\*6. Display the name of the city which has flight source but no destination.\*/

```
SELECT FLIGHTSOURCE FROM FLIGHT
NOT IN
(SELECT FLIGHTDEST FROM FLIGHT);
```

Q./\* 7. Display the dates on which flight 1 and 4 is flying.\*/

```
SELECT FLIGHTDATE FROM FLIGHT WHERE FLIGHTID=1 OR FLIGHTID=4;
```

Q./\* 8. Display the number of passenger in each flight. Use column alias "PassCount".\*/

```
SELECT FLIGHTID,COUNT(BD.PASSID) PASSCOUNT FROM BOOKING_DETAILS BD INNER  
JOIN BOOKING B ON B.BOOKINGID=BD.BOOKINGID GROUP BY FLIGHTID;
```

Q./\* 9. Display the name and date of birth of passengers who are senior citizen (age>=60).\*/

```
SELECT          PASSNAME,PASSDOB          FROM          PASSENGER          where  
(ROUND((DATEDIFF(NOW(),PASSDOB)/365)))>=60;
```

Q./\* 10. Display the booking id having the highest number of passengers.\*/

```
SELECT BOOKINGID FROM BOOKING_DETAILS GROUP BY BOOKINGID HAVING COUNT(PASSID)=  
(  
SELECT MAX(C) FROM  
(  
SELECT BOOKINGID,COUNT(PASSID) C FROM BOOKING_DETAILS GROUP BY BOOKINGID  
) a);
```

Q./\*11. Display the booking id (ticket) and the total cost for the booking. Use column alias "Total Fare".\*/

```
SELECT B.BOOKINGID,F.TICKETCOST TOTAL_FARE FROM BOOKING B INNER JOIN FLIGHT F ON  
B.FLIGHTID=F.FLIGHTID;
```

Q./\* 12. Display the booking id (ticket) and the total cost for the booking.

Use column alias "Total Fare". Consider giving a rebate of 50% to senior citizen (age>=60).\*/

```
select b.bookingid,case  
        when round(datediff(curdate(),p.passdob)/365)>60 then f.ticketcost/2  
        else f.ticketcost  
        end as 'Total_Fare'  
from booking b,flight f,booking_details bd,passenger p  
where b.bookingid=bd.bookingid and b.flightid=f.flightid and bd.passid=p.passid;
```

Q./\* 13.Display the city receiving the maximum number of flights.\*/

```
select flightdest
from flight
group by flightdest
having count(*)=(select max(c)
                  from (select count(*) c
                        from flight
                        group by flightdest
                        )a
                  );
```

Q./\*14 select passname from passenger where passid in

(select passid,COUNT(BOOKINGID) from booking\_details group by BOOKINGID having count(PASSID)>1);\*/

```
SELECT PASSNAME FROM PASSENGER WHERE PASSID IN
(
SELECT PASSID FROM BOOKING_DETAILS GROUP BY PASSID HAVING COUNT(BOOKINGID)>1
);
```

Q./\* 15. Display flightid with no of booking.\*/

```
select flightid,count(*) NO_OF_BOOKINGS from booking group by flightid;
```

Q./\* 16: Display the passenger (name only) who booked ticket on the day of flight for flight no 1.\*/

```
select p.passname from passenger p,booking b,flight f,booking_details d
where b.flightid="1" and f.flightdate=b.bookdate and d.passid=p.passid and b.bookingid=d.bookingid;
```

Q./\* 17.Display flights having the same source and destination.\*/

```
select flightid from flight where flightdest=flightsource;
```

Q./\*18.Display the record in the following format. Column alias

“Booking Summary”

Hints:

“ Ticket No:1 Flight id: 1 Total Passengers :3 Total Fare:6000”

“Ticket No:2 Flight id: 3 Total Passengers :1 Total Fare :2500\*/

```

select concat("Ticket No:",bookingid," Flight id: ",fl.flightid," Total Passengers: ",count(bookingid)," Total
Fare:",count(bookingid)*ticketcost) booking_details
from booking
inner join
flight fl
on
booking.flightid=fl.flightid
group by
fl.flightid;

```

Q./\*19:Flight No: 2 have been delayed for 4 hrs due to fog. Display flight id ,  
flight date and a new column "flight new date", which displays the new timing.\*/\*

```

select flightid,flightdate,CASE

    WHEN FLIGHTID=2 THEN adddate(FLIGHTDATE,interval 4 hour)
    ELSE FLIGHTDATE
    END AS 'FLIGHT NEW DATE'
FROM FLIGHT;

```

Q./\*Display passenger name , date of birth sorted by the month of birth .(Jan to Dec).\*/

```

select passname,passdob from passenger order by passdob;

```