**Flights DB Solutions**

**-Srikanth(397189)**

1) select passname from passenger where passname like '\_e%';

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

3) select passname, passdob, (year(current\_date) - year(passdob)) age from passenger;

4) select count(flightsource) from flight group by flightsource having flightsource = "kol";

5) select flightsource from flight a group by flightsource having count(flightsource) = (select count(flightdest) from flight where flightdest = a.flightsource);

6) select flightsource from flight where flightsource not in (select flightdest from flight);

7) select flightdate from flight where flightid in (1,4);

8) select c.flightid, count(passid) from booking\_details a join booking b on(a.bookingid = b.bookingid) right outer join flight c on(b.flightid = c.flightid) group by flightid;

9) select passname, passdob from passenger having (year(current\_date) - year(passdob)) > 60;

10) select bookingid from booking\_details group by bookingid having count(passid) = (select max(c) from(select count(passid) c from booking\_details group by bookingid)t);

11) select bookingid, sum(ticketcost) "Total Fare" from booking a join flight b

on(a.flightid = b.flightid) group by bookingid;

12) select a.bookingid, case when (year(current\_date) - year(d.passdob))>60 then ticketcost = ticketcost/2 else sum(ticketcost) end "Total Fare" from booking a join flight b on(a.flightid = b.flightid) join booking\_details c on(a.bookingid = c.bookingid) join passenger d on(c.passid = d.passid) group by bookingid;

13) select flightdest City,count(flightdest) No\_of\_flights from flight group by flightdest

having count(flightdest) = (select max(c) from (select count(flightdest) c from flight group by flightdest)t);

14) select passname from passenger a join booking\_details b on(a.passid = b.passid)

group by b.passid having count(b.passid)>1;

15) select a.flightid, count(a.flightid) No\_of\_bookings from booking a join flight b

on(a.flightid = b.flightid) group by flightid;

16) select passname from passenger a join booking\_details b on(a.passid = b.passid)

join booking c on(b.bookingid = c.bookingid)

join flight d on(c.flightid = d.flightid)

where d.flightdate = c.bookdate;

17) select flightid from flight where flightsource = flightdest;

18)

19) select flightid, flightdate, adddate(flightdate,4) "Flight\_new\_date" from flight;

Note: it should be 4days delay not 4hrs delay.

20) select passname, passdob from passenger order by month(passdob);