**SQL Query**

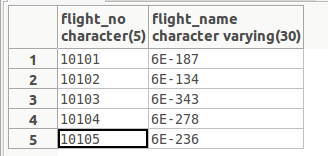
**Airlines Database**

**Q1.**Given company name find out all flight details?

**Company Name:** Indigo

**SQL:** select flight\_no,flight\_name from company natural join flight\_detail where c\_name='Indigo';

**Output:**

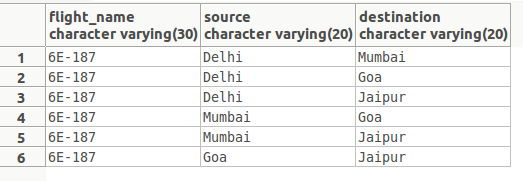
****

**Q2.**Given the flight number find out route (source,destination)?

**Flight No: 10101**

**SQL: select flight\_name,source,destination** from (select \* from flight\_detail natural join all\_path where flight\_no='10101')as r1 natural join route;

**Output:**

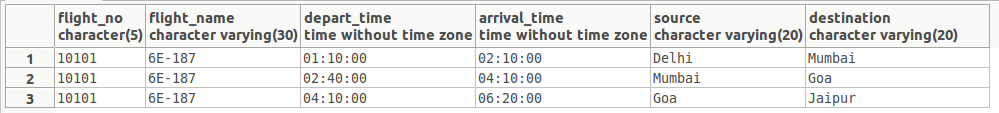
****

**Q3.**Given a day find out all airports and flight details?

**Day: Monday**

**SQL:** select flight\_no,flight\_name,depart\_time,arrival\_time,source,destination from(select \* from(select \* from flight\_detail natural join flight\_route) as r1 natural join days where day\_name='Monday')as r2 natural join route;

**Output:**

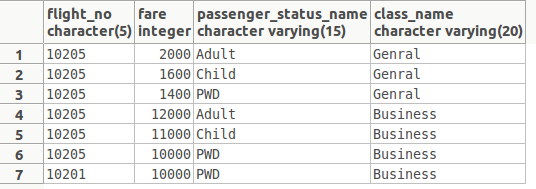
****

**Q4** Given a route find out all type of fare?**.**

**Route:** Ahmedabad to Channai

**SQL:** select flight\_no,fare,passenger\_status\_name from(select \* from fare\_detail natural join route)as r1 natural join passenger\_status where source='Ahmedabad' and destination='Channai';

**Output:**

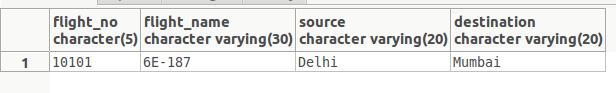
****

**Q5.**Given a source and destination find out flight details?

**Route:** Delhi to Mumbai

**SQL:** select flight\_no,flight\_name,source,destination from (select \* from flight\_detail natural join all\_path)as r1 natural join route where source='Delhi' and destination='Mumbai';

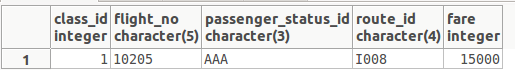
**Output:**

****

**Q6.**Find out Max fare with flight Detail?

**SQL:** select class\_id,flight\_no,passenger\_status\_id,route\_id,fare from fare\_detail where 7

**Output:**

****

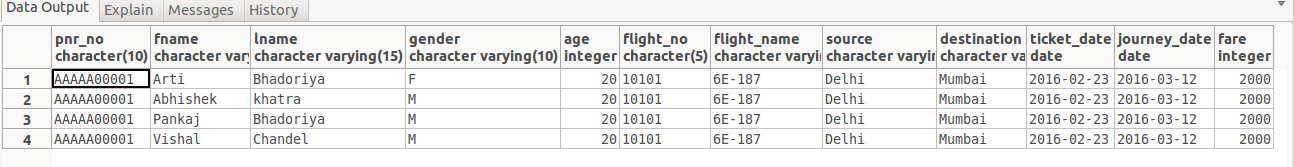
**Q7**.Given PNR find out all details?

**--PNR No: AAAAA00001**

**SQL:** select pnr\_no,fname,lname,gender,age,flight\_no,flight\_name,source,destination,ticket\_date,journey\_date,fare from(select \* from((select \* from ticket natural join passenger where pnr\_no='AAAAA00001') as r1 natural join

(select \* from flight\_detail natural join route) as r2)) as r3 natural join fare\_detail;

**Output:**

****

**Q8.** Find out how many ticket book for particular date for Mumbai?

**SQL:** select count(seat\_no)as No\_of\_Ticket from(select \* from passenger natural join ticket)as r1 natural join route where ticket\_date='2016-02-23' and destination='Mumbai';

**Output:**

****

**Q9.**Find out how many ticket book for particular date from Delhi to Mumbai?

**SQL:** select count(pnr\_no) from(select \* from passenger natural join ticket where journey\_date='2016-03-12')as r1 natural join route where source='Delhi' and destination='Mumbai';

**Output:**

****

**Q10.** Find out how many ticket book for particular date?

SQL:

select count(pnr\_no)as No\_of\_Ticket from passenger natural join ticket where ticket\_date='2016-02-23';

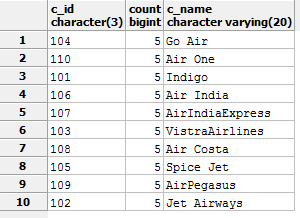
Output:



**Q11**. Number of flight a particular company?

SQL: c\_id,count(select flight\_no),c\_name from (company natural join flight\_detail) group by c\_id;

Output:

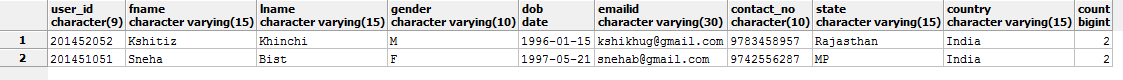


Q12. Find Out User detail those have maximum booking?

SQL: select \* from users natural join (select user\_id,count(pnr\_no) from ticket group by user\_id having count(pnr\_no) >= all

(select count(pnr\_no) from ticket group by user\_id)) as r;

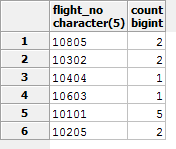
Output:



Q13. How many seat book of a particular flight?

SQL: select count(pnr\_no) from passenger natural join ticket where journey\_date='2016-03-12';

Output:



Q14. Update profile

SQL: update users Set fname='Sakshi',lname='Dubay',emailid='skdubay998@gmail.com',contact\_no='9865423432',

where fname='name';

Q15. Find out flight detail who going Monday and from Delhi to Mumbai?

SQL: select flight\_no,flight\_name,source,destination,depart\_time,arrival\_time,day\_name from((select \* from flight\_detail natural join flight\_route)as r1 natural join (select \* from all\_path natural join route)as r2) as r3 natural join days where day\_name='Monday' and source='Delhi' and destination='Mumbai';

Output:



Q16. Find out PNR No which have Booked maximum number of sheets?

SQL: select pnr\_no,count(seat\_no) as cc from (select \* from flight\_route join ticket on(flight\_route.route\_id=ticket.route\_id and

flight\_route.flight\_no=ticket.flight\_no )) as r natural join passenger group by pnr\_no having count(seat\_no) >= all ( select count(seat\_no) from

(select \* from flight\_route join ticket on(flight\_route.route\_id=ticket.route\_id and

flight\_route.flight\_no=ticket.flight\_no)) as r natural join passenger group by pnr\_no);

Output:



Q17. Find out the total no ticket of a particular journey date?

SQL: select count(pnr\_no) from passenger natural join ticket where journey\_date='2016-03-12';

Output:



Q18. Find out the route-id which have maximum flight?

SQL: select route\_id,count(\*) from flight\_route natural join all\_path group by route\_id having count(\*) >= all

(select count(\*) from flight\_route natural join all\_path group by route\_id);

Output:

