

CTS SQL quesitons and answers

1.

1. Database Query Question

Question 2

How to Attempt?

Write an SQL query to display:

The product id and product name of the product(s) whose status are in the transit hub.

Your output should contain 2 columns in the order mentioned below.

product_id	name
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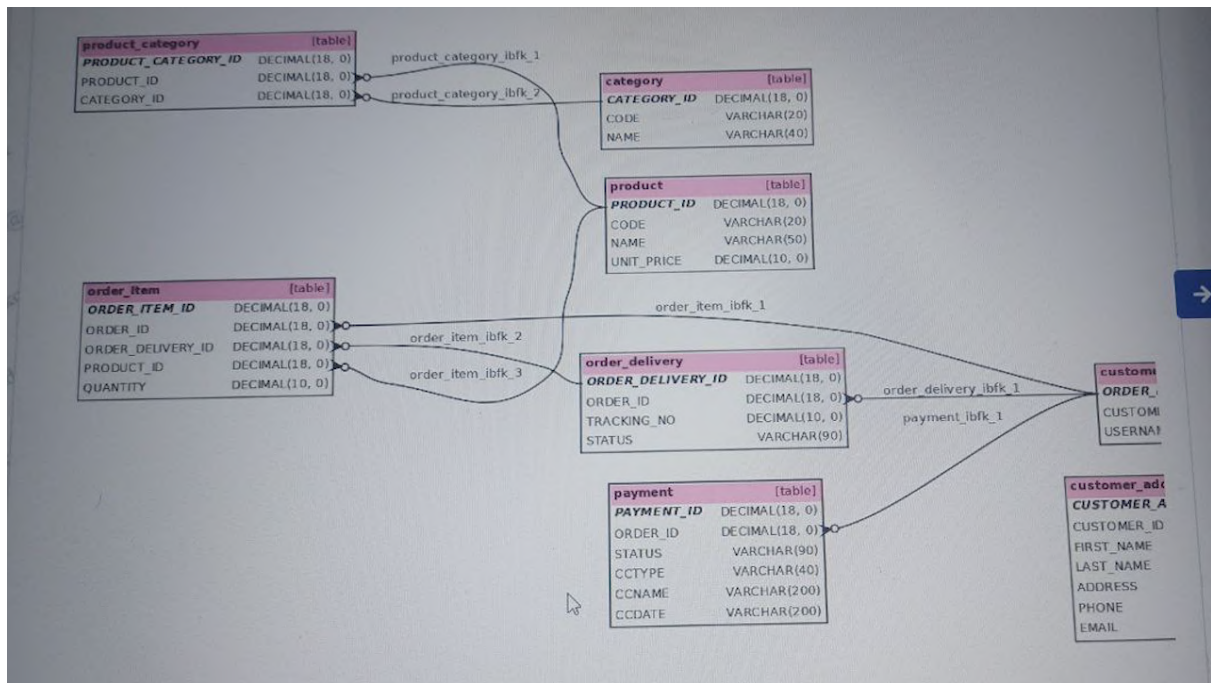
You can view the database schema by clicking the **View Schema** tab at the bottom of the query window on the right-hand side of the screen.

Attempted: 2/2

Enter your Response

MYSQL 8.0

```
1 select product_id
2 from products
```



```

select product_id, name
from product
where product_id in
(
    select product_id
    from order_item
    where order_id in
    (
        select order_id
        from order_delivery
        where status = 'transit hub'
    )
);

```

2.

Question 2

How to Attempt?

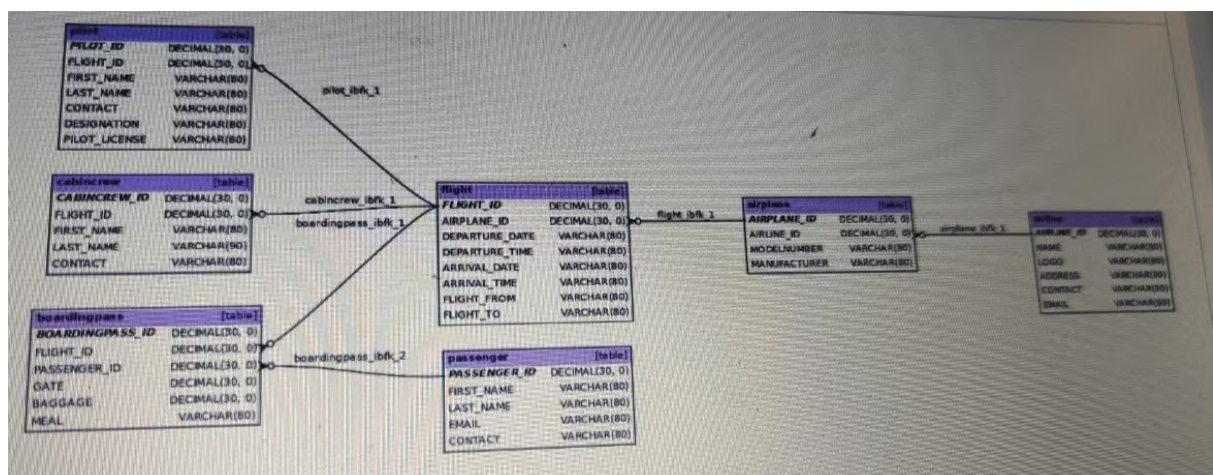
Write an SQL query to display:

The distinct first names and contact numbers of passengers who are departing from 'Hong Kong', boarding a flight with Flight ID '4' and have requested a 'Vegetarian' meal.

Your output should have column as given below.

FIRST_NAME	CONTACT
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You can view the database schema by clicking the **View Schema** tab at the bottom of the query window on the right-hand side of the screen.

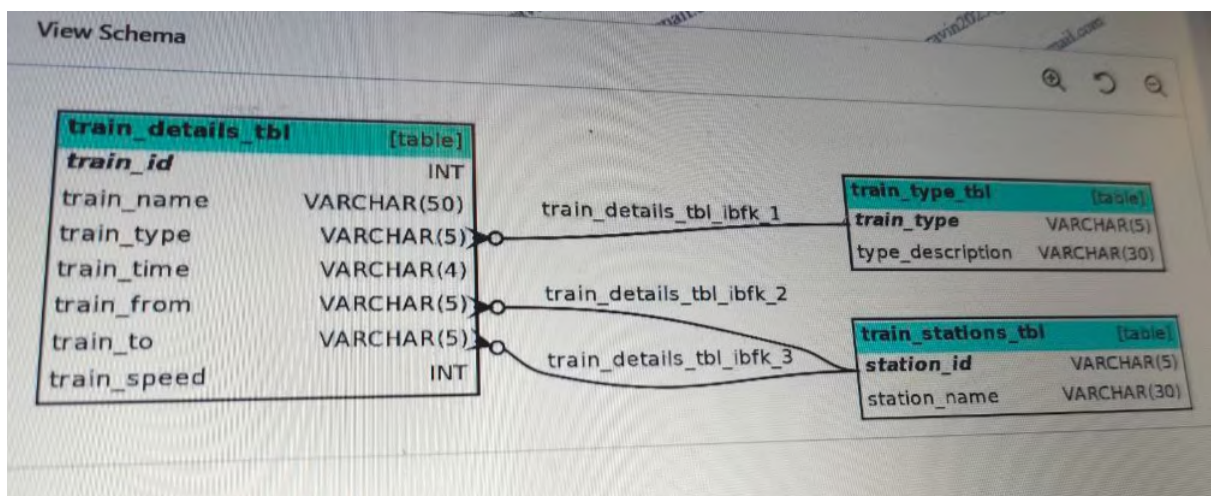
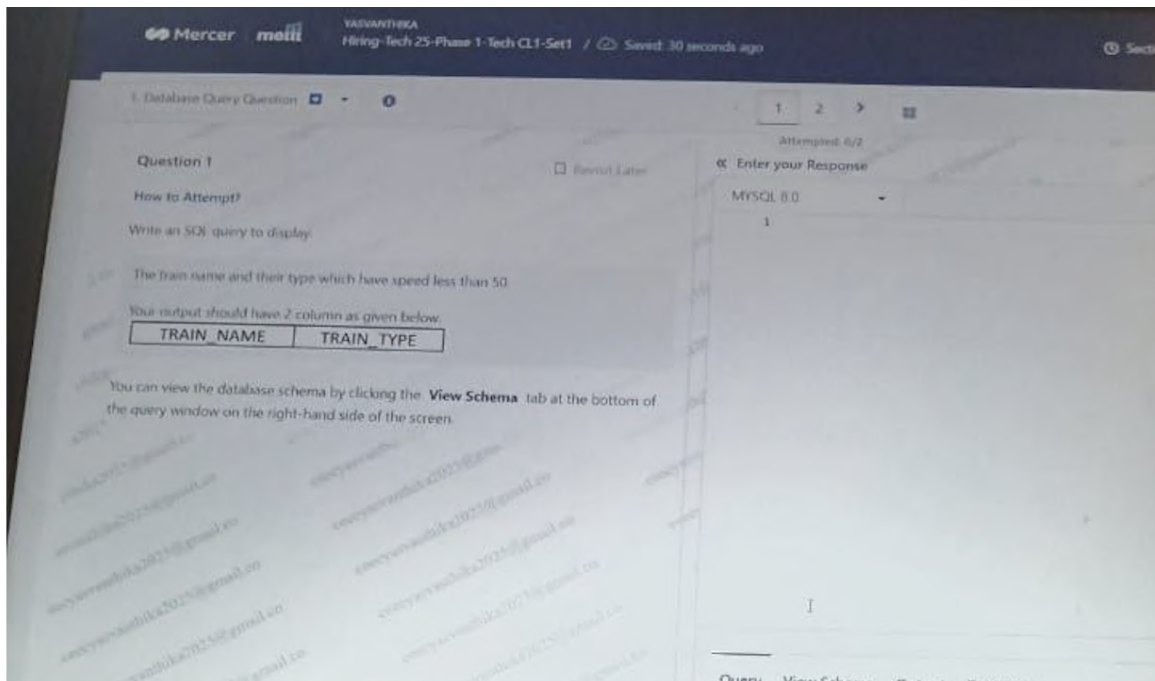


```

select distinct FIRST_NAME, CONTACT
from passenger
where PASSENGER_ID in (
    select PASSENGER_ID
    from boardingpass
    where MEAL='Vegetarian'
    and FLIGHT_ID in (
        select FLIGHT_ID
        from flight
        where FLIGHT_FROM='Hongkong'
        and FLIGHT_ID=4
    )
)
    
```


)
);

3.



```
select TRAIN_NAME, TRAIN_TYPE
from train_details_tbl
where train_speed < 50;
```

4.

Question 1 Reset Later

How to Attempt?

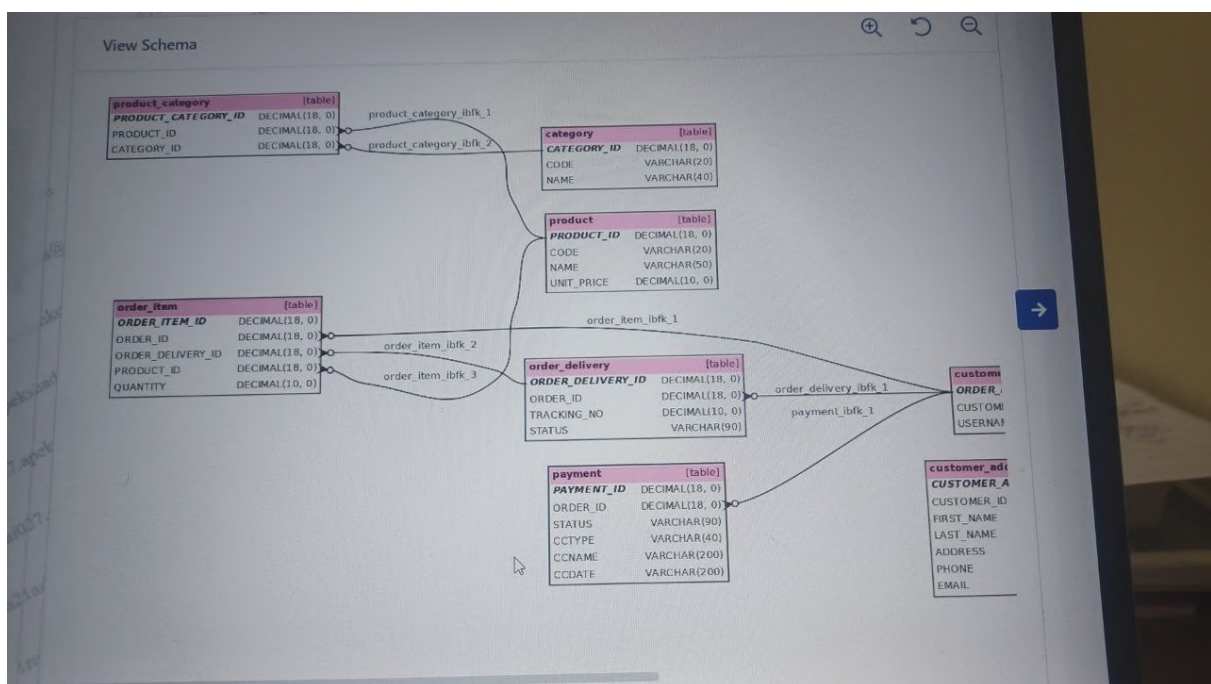
Write an SQL query to display:

The number of women's products available from the table named product (use the alias **product_count**).

Your output should have 1 column as given below.

product_count

You can view the database schema by clicking the **View Schema** tab at the bottom of the query window on the right-hand side of the screen.



```

select count(*)
as product_count
from product
where PRODUCT_ID in (
    select PRODUCT_ID
    from product_category

```

```

where CATEGORY_ID in (
    select CATEGORY_ID
    from category
    where name='women'
)
);

```

5.

Question 2

How to Attempt?

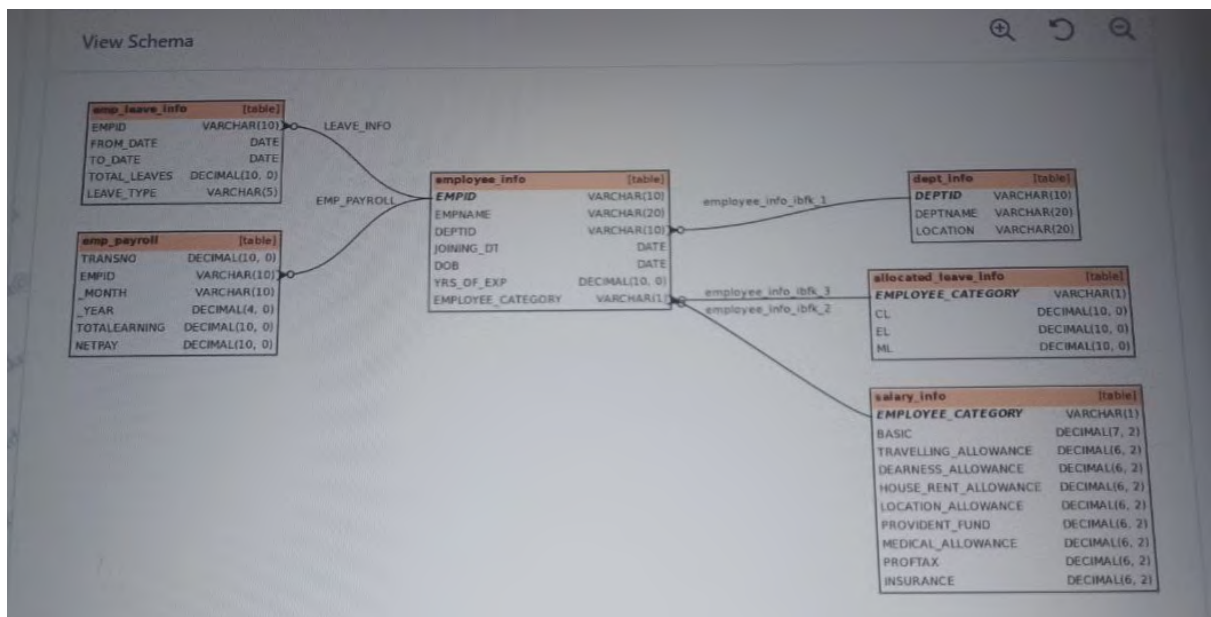
Write an SQL query to display:

The employee ID, Name, Department name, and House rent allowance for employees who work in departments located in either BANGALORE or COCHIN.

Your output should have 4 columns as given below:

EMPID	EMPNAME	DEPTNAME	HOUSE_RENT_ALLOWANCE
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You can view the database schema by clicking the View Schema tab at the bottom of the query window on the right-hand side of the screen.




```

select e.EMPID, e.EMPNAME, d.DEPTNAME, s.HOUSE_RENT_ALLOWAN
CE
from employee_info e, dept_info d, salary_info s
where e.DEPT_ID = d.DEPT_ID
and e.EMPLOYEE_CATEGORY = s.EMPLOYEE_CATEGORY;

```

6.

Question 2

How to Attempt?

Write an SQL query to display:

The total number of passengers and total number of baggage items for flights arriving in Paris on February 11, 2024.

Your output should have three columns as given below:

Flight_ID	Total_Passengers	Total_Baggage
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You can view the database schema by clicking the View Schema tab at the bottom of the query window on the right-hand side.

View Schema

FLIGHTS

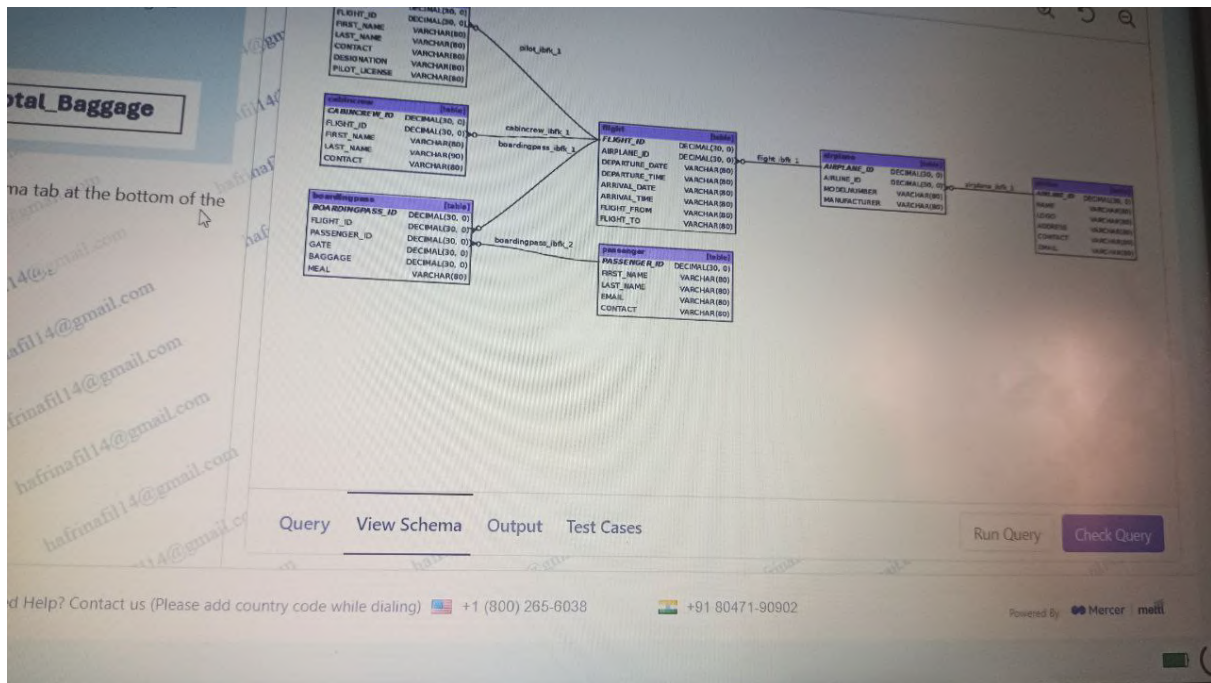
FLIGHT_ID
FIRST_NAME
LAST_NAME
CONTACT
ORIGIN
PILOT_LICENSE

CARRIAGES

FLIGHT_ID
FIRST_NAME
LAST_NAME
CONTACT

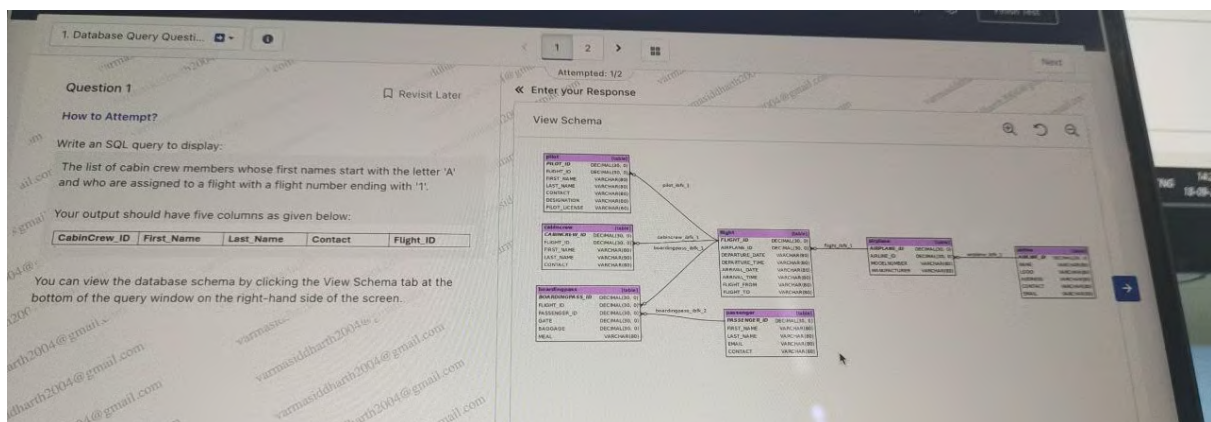
BOARDINGPASS

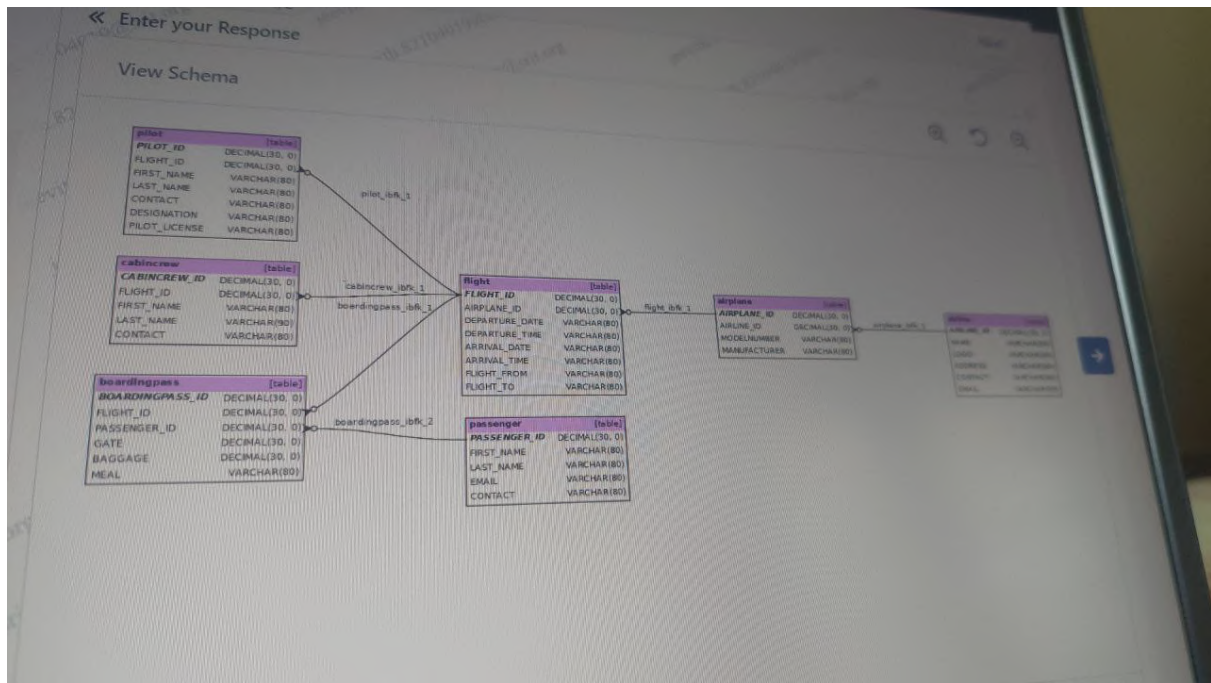
FLIGHT_ID
PASSENGER_ID
GATE
BAGGAGE
MEAL



```
select f.FLIGHT_ID as Flight_ID,
count(p.PASSENGER_ID) as Total_Passengers,
count(b.BAGGAGE) as Total_Baggage
from flight f, boardingpass b, passenger p
where b.PASSENGER_ID = p.PASSENGER_ID
and f.FLIGHT_ID = b.FLIGHT_ID
and f.FLIGHT_TO = 'Paris'
and f.ARRIVAL_TIME = 'February 11, 2024'
group by f.FLIGHT_ID;
```

7.





```

select CabinCrew_ID, First_Name, Last_name, Contact, Flight_ID
from cabincrew
where First_Name like 'A%'
and Flight_ID % 10 = 1;
  
```

8.

How to Attempt?

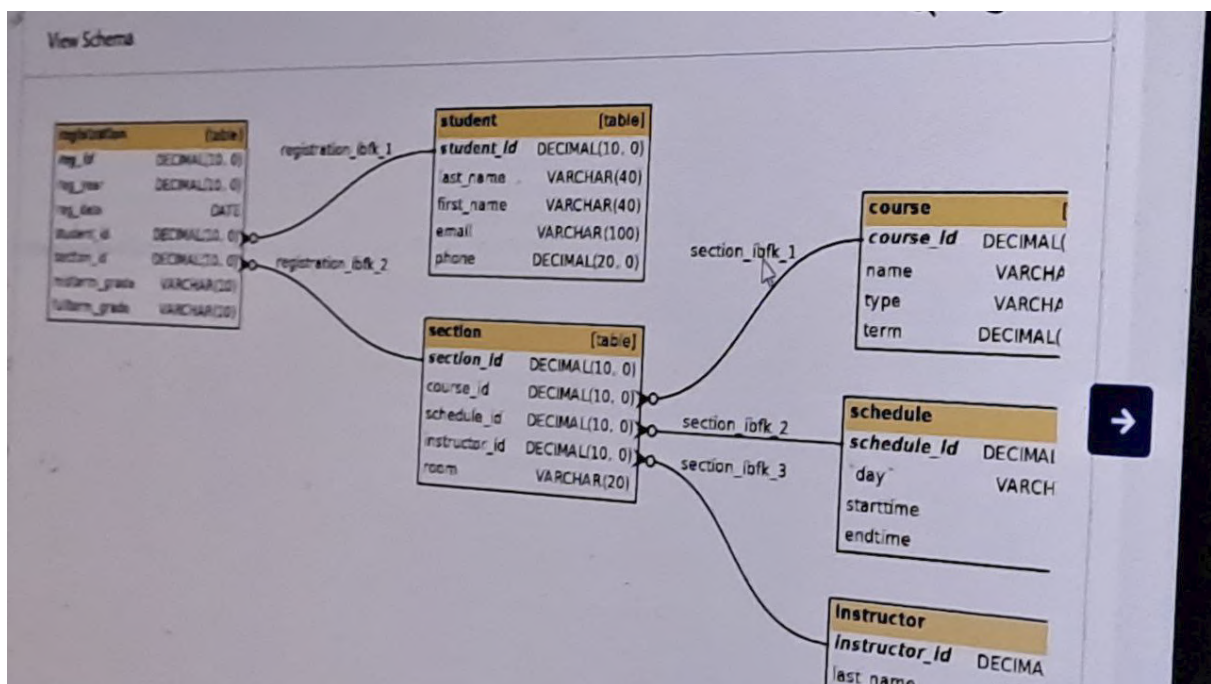
Write an SQL query to display:

The last names of the students registered in the year 2012.

Your output should contain 1 column as mentioned below.

last_name

You can view the database schema by clicking the **View Schema** tab at the bottom of the query window on the right-hand side of the screen.



```
select last_name
from student s, registration_tbl r
where s.student_id = r.student_id
and year(r.reg_date) = 2012;
```

9.

How to Attempt?

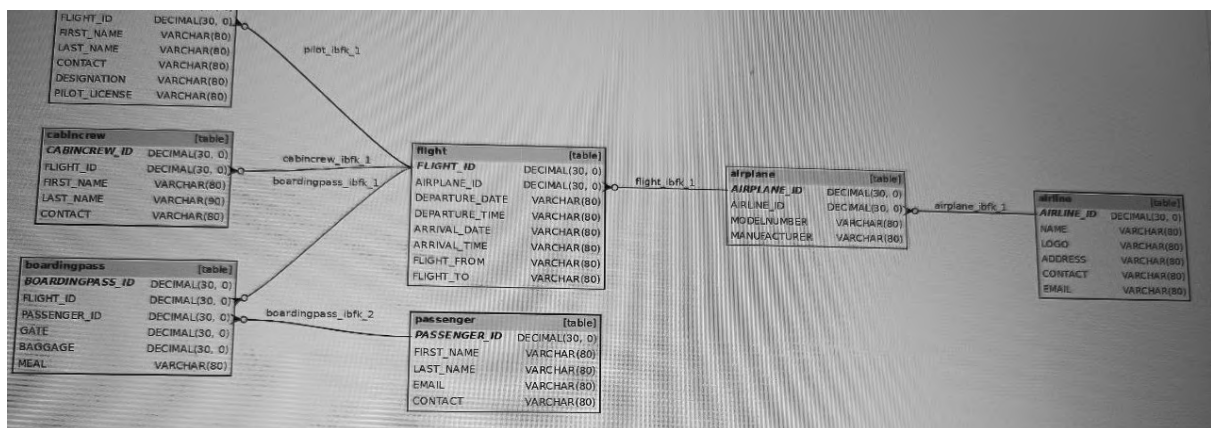
Write an SQL query to display:

The airplane ID and model number for airplanes manufactured by Airbus.

Your output should have column as given below:

AIRPLANE_ID	MODELNUMBER
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You can view the database schema by clicking the **View Schema** tab at the bottom of the query window on the right-hand side of the screen.



```

select AIRPLANE_ID, MODELNUMBER
from airplane
where MANUFACTURER = 'Airbus';

```

10.

How to Attempt?

Write an SQL query to display:

List of flights operated by 'Singapore Airlines', including the flight ID, departure date and departure time.

Your output should have three columns as given below:

Flight_ID	Departure_date	Departure_Time
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You can view the database schema by clicking the View Schema tab at the bottom of the query window on the right-hand side of the screen.

```

1  SELECT
2  f.FLIGHT_ID,
3  f.DEPARTURE_DATE,
4  f.DEPARTURE_TIME
5  FROM
6  Flight f
7  JOIN
8  Airplane a ON f.AIRPLANE_ID=a.AIRPLANE_ID
9  JOIN
10 Airline al ON a.AIRLINE_ID=al.AIRLINE_ID
11 WHERE
12 al.NAME='Singapore Airlines';

```



```
select Flight_ID, Departure_date, Departure_Time
from Flight
where AIRPLANE_ID in (
    select AIRPLANE_ID
    from Airplane
    where AIRLINE_ID in (
        select AIRLINE_ID
        from Airline
        where NAME = 'Singapore Airlines'
    )
);
```