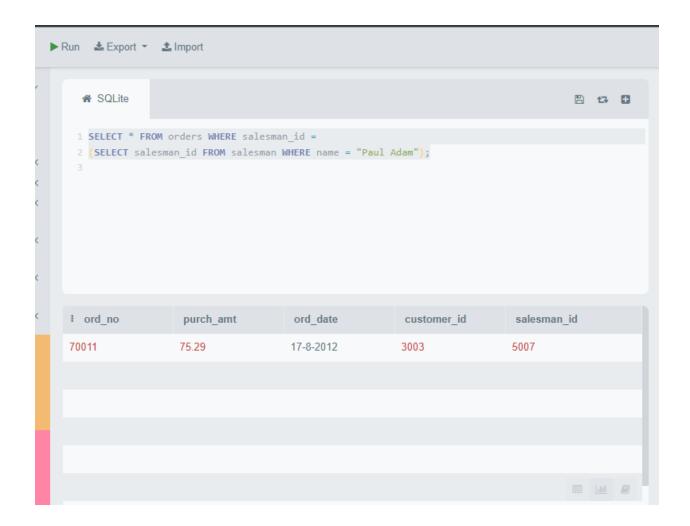
Question: All the orders issued by the salesman 'Paul Adam'.

Queries used:

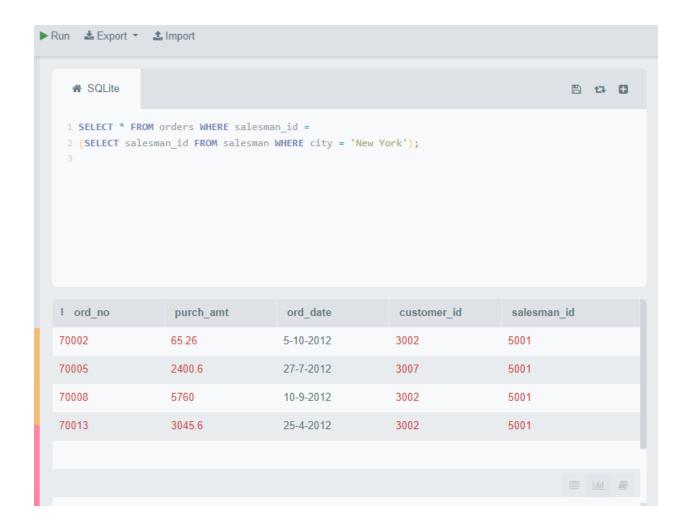
CREATE TABLE salesman (salesman_id INT Primary Key, name VARCHAR NOT NULL, city VARCHAR, commission FLOAT);

```
INSERT INTO salesman VALUES(5001, "James Hoog", "New York", 0.15);
INSERT INTO salesman VALUES(5002, "Nail Knite", "Paris", 0.13);
INSERT INTO salesman VALUES(5005, "Pit Alex", "London", 0.11);
INSERT INTO salesman VALUES(5006, "Mc Lyon", "Paris", 0.14);
INSERT INTO salesman VALUES(5003, "Lauson Hen", "San Jose", 0.12);
INSERT INTO salesman VALUES(5007, "Paul Adam", "Rome", 0.13);
CREATE TABLE orders (ord no INT UNIQUE, purch amt FLOAT, ord date
DATE, customer_id INT, salesman_id INT);
INSERT INTO orders VALUES(70001, 150.5, "5-10-2012", 3005, 5002);
INSERT INTO orders VALUES(70009, 270.65, "10-9-2012", 3001, 5005);
INSERT INTO orders VALUES(70002, 65.26, "5-10-2012", 3002, 5001);
INSERT INTO orders VALUES(70004, 110.5, "17-8-2012", 3009, 5003);
INSERT INTO orders VALUES(70007, 948.5, "10-9-2012", 3005, 5002);
INSERT INTO orders VALUES(70005, 2400.6, "27-7-2012", 3007, 5001);
INSERT INTO orders VALUES(70008, 5760, "10-9-2012", 3002, 5001);
INSERT INTO orders VALUES(70010, 1983.43, "10-10-2012", 3004, 5006);
INSERT INTO orders VALUES(70003, 2480.4, "10-10-2012", 3009, 5003);
INSERT INTO orders VALUES(70012, 250.45, "27-6-2012", 3008, 5002);
INSERT INTO orders VALUES(70011, 75.29, "17-8-2012", 3003, 5007);
INSERT INTO orders VALUES(70013, 3045.6, "25-4-2012", 3002, 5001);
SELECT * from orders where salesman id =
(select salesman id from salesman where name = "Paul Adam");
```

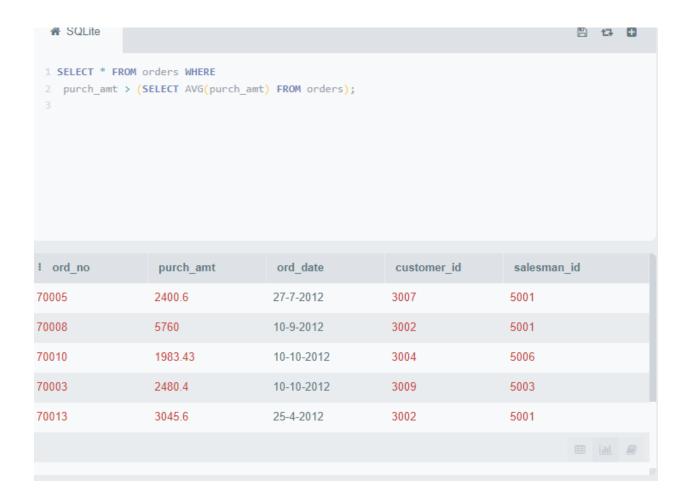


Question: Find all the orders generated in New York city.

SELECT * from orders where salesman_id = (SELECT salesman_id from salesman where city = 'New York');



Question: Find the order values greater than the average order value select * from orders where purch_amt > (select AVG(purch_amt) from orders);



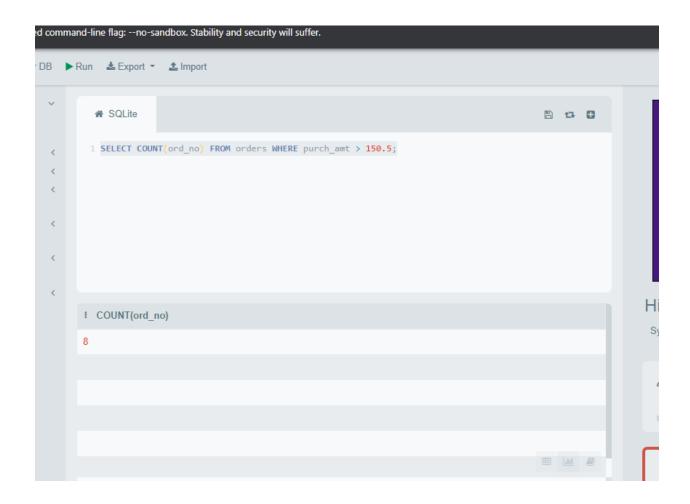
Question: Return all the salesperson details where commission is greater than 0.12.

select * from salesman where commission > 0.12;



Question: Count no of orders where purch is greater than 150.5.

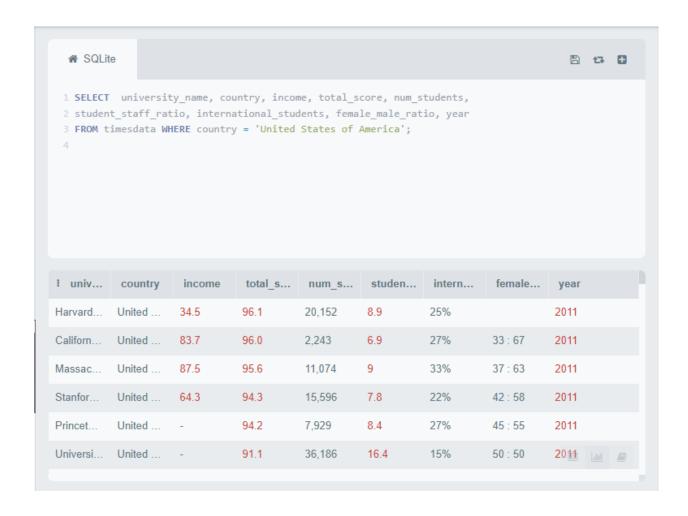
select COUNT(ord_no) from orders where purch_amt > 150.5;



Dataset: Timesdata

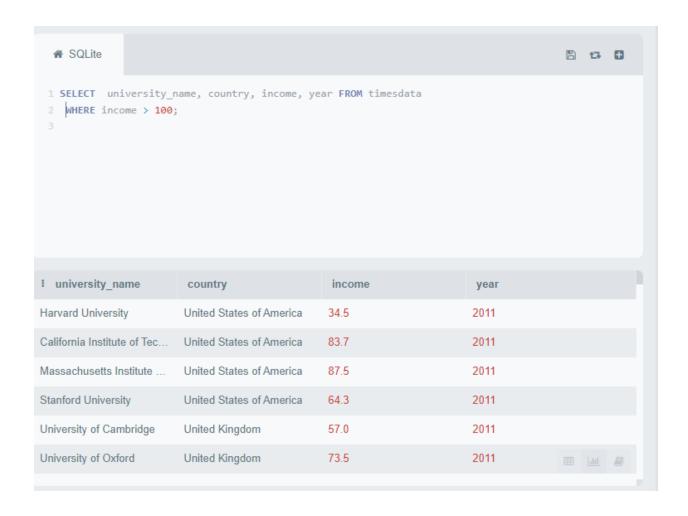
Question: Select the universities from the USA.

SELECT university_name, country, income, total_score, num_students, student_staff_ratio, international_students, female_male_ratio, year FROM timesdata where country = 'United States of America';



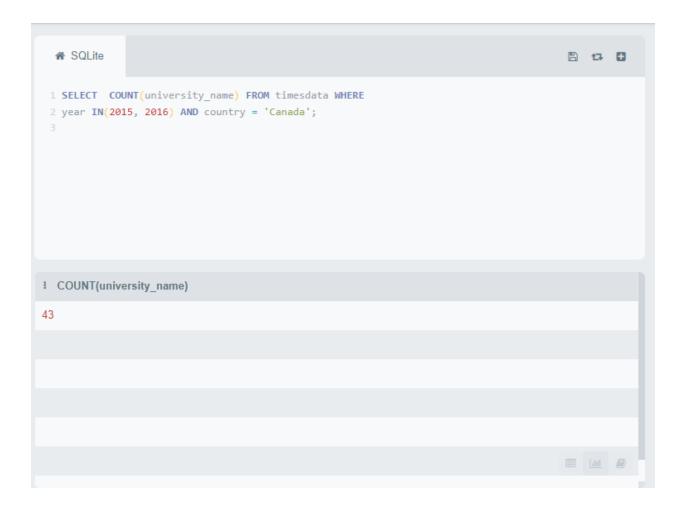
Question: Find income of universities where income is more than 100.

SELECT university_name, country, income, year FROM timesdata where income > 100;



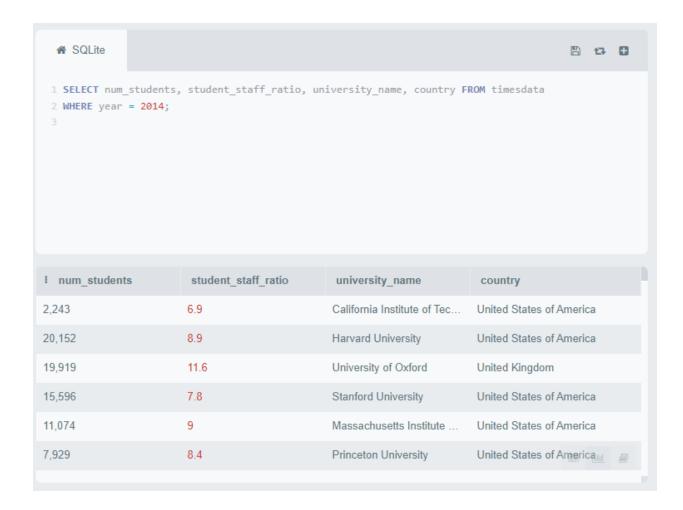
Question: Return the number of universities in 2015 & 2016 in Canada

SELECT COUNT(university_name) FROM timesdata where year IN(2015, 2016) AND country = 'Canada';



Question: Return No of students, student staff ratio, university name and country for 2014

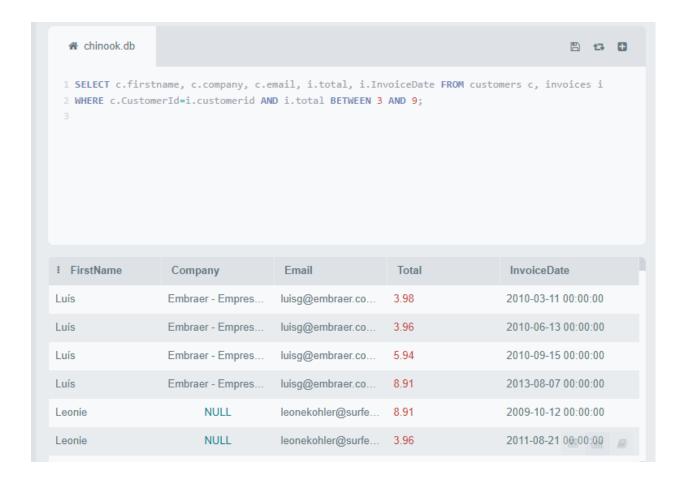
SELECT num_students, student_staff_ratio, university_name, country FROM timesdata where year = 2014;



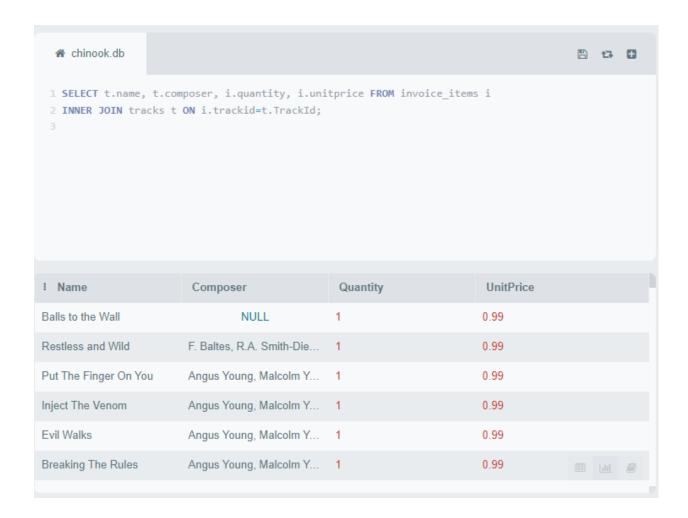
Dataset: Chinook

Question: Return name, company, email, total and invoice date from customers & invoices where total is between 3 & 9.

select c.firstname, c.company, c.email, i.total, i.InvoiceDate from customers c, invoices i where c.CustomerId=i.customerid AND i.total BETWEEN 3 AND 9;

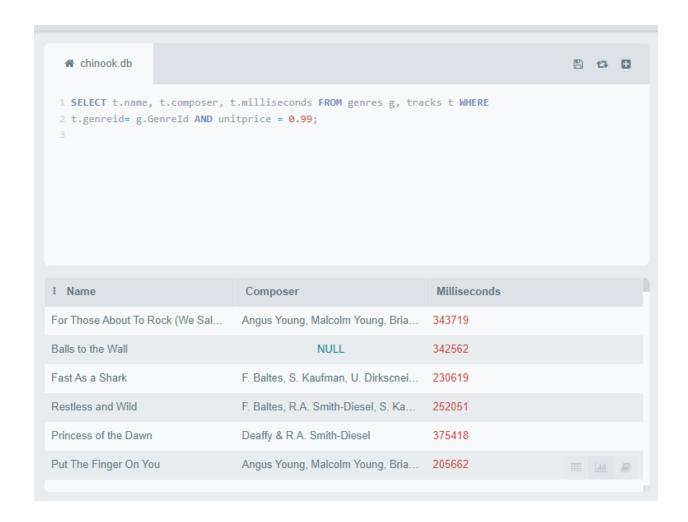


Question: Return name, quantity, composer, unitprice inner join oninvoice items and tracks.



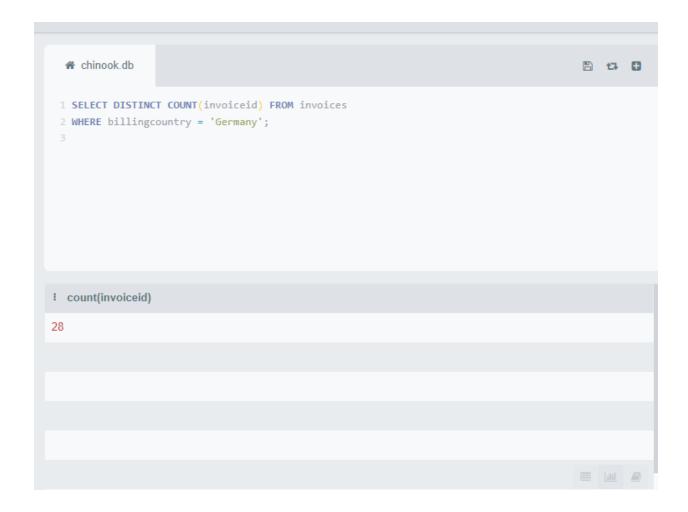
Question: Return name, composer, milliseconds from track and genre where unitprice = 0.99

select t.name, t.composer, t.milliseconds from genres g, tracks t where t.genreid= g.Genreld AND unitprice = 0.99;



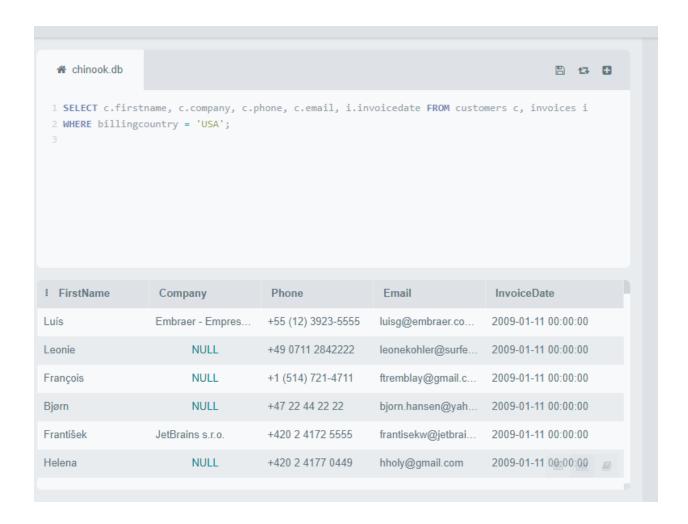
Question: No of customers where billing country is germany

SELECT DISTINCT count(invoiceid) from invoices where billingcountry = 'Germany';



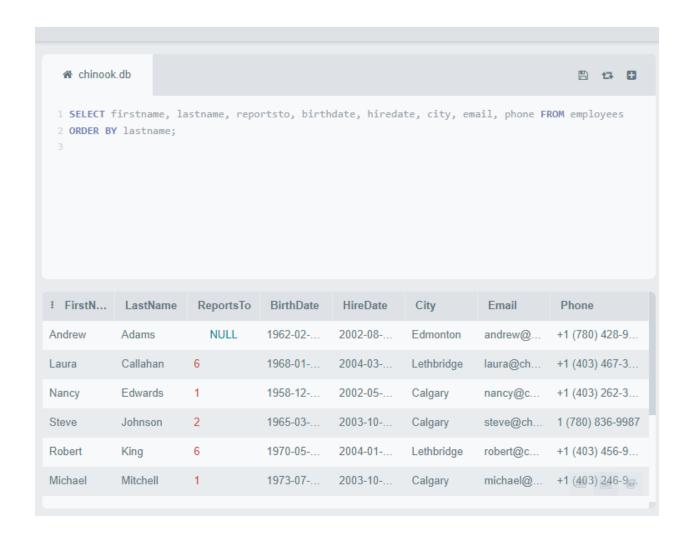
Question: Find list of customers where billing country is USA

SELECT c.firstname, c.company, c.phone, c.email, i.invoicedate from customers c, invoices i WHERE billingcountry = 'USA';



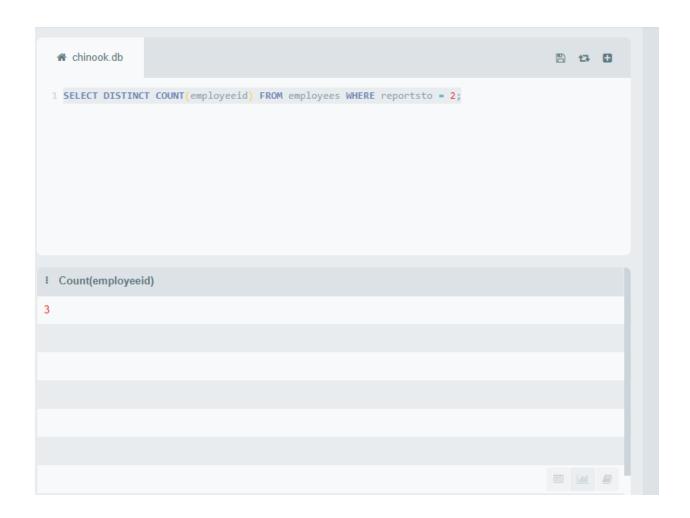
Question: Retrieve firstname, lastname, reportsto, birthdate, hiredate, city, email, phone from the employee table and sort the output in ascending order on lastname.

SELECT firstname, lastname, reportsto, birthdate, hiredate, city, email, phone from employees ORDER BY lastname;



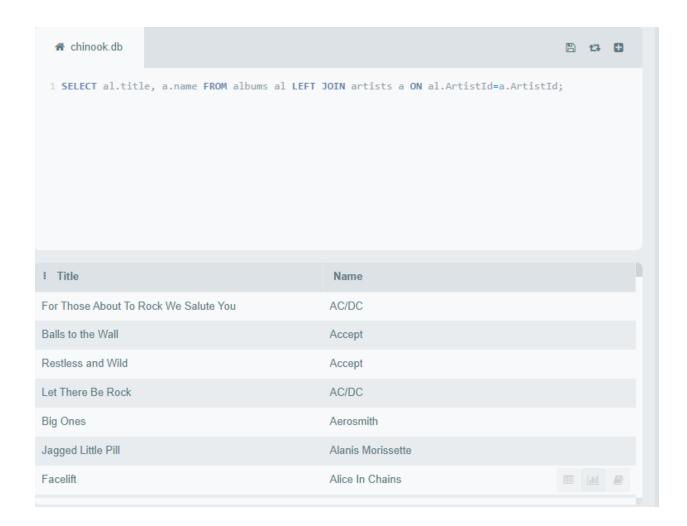
Question: Find the number of employees who reports to 2

SELECT DISTINCT Count(employeeid) from employees where reports to = 2;



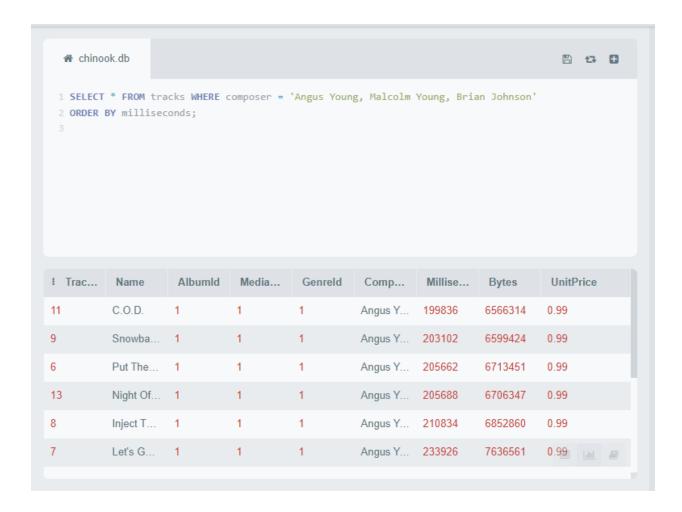
Question: Left Join on albums and artists

SELECT al.title, a.name from albums al LEFT Join artists a ON al.ArtistId=a.ArtistId;

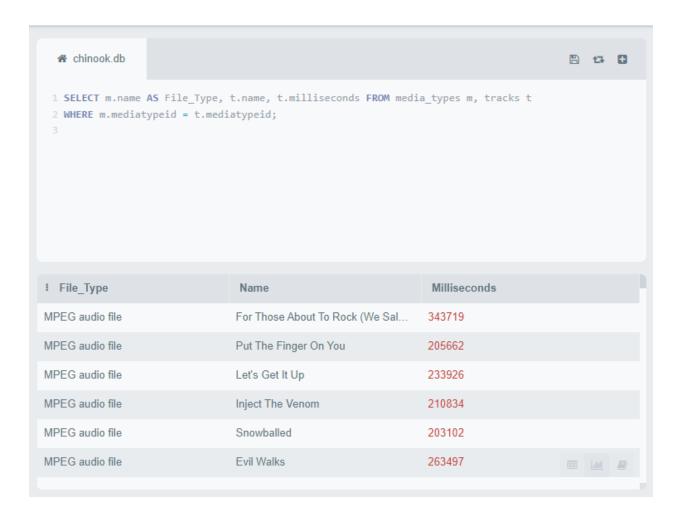


Question: the list of tracks where composer is Angus Young, Malcolm Young, Brian Johnson and order by millisecond

SELECT * from tracks WHERE composer = 'Angus Young, Malcolm Young, Brian Johnson' order BY milliseconds;

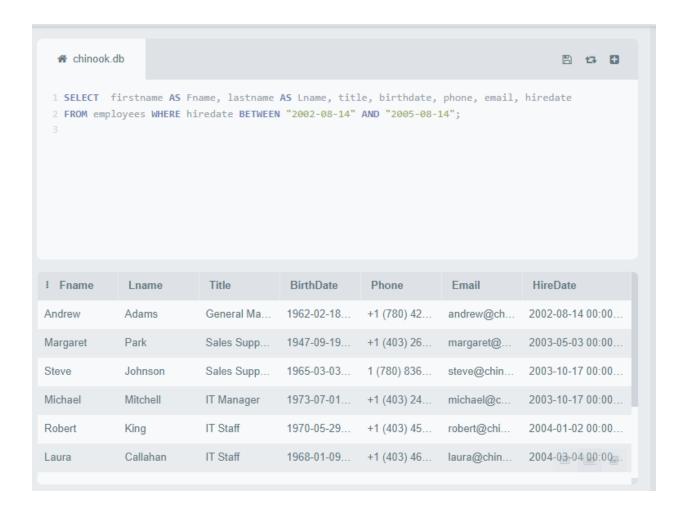


Question: Get the media type for the tracks and rename the column as file type SELECT m.name AS File_Type, t.name, t.milliseconds from media_types m, tracks t WHERE m.mediatypeid = t.mediatypeid;



Question: find those employees who were hired between 2002-08-14 & 2005-08-14

SELECT firstname AS Fname, lastname AS Lname, title, birthdate, phone, email, hiredate from employees where hiredate BETWEEN "2002-08-14" AND "2005-08-14";

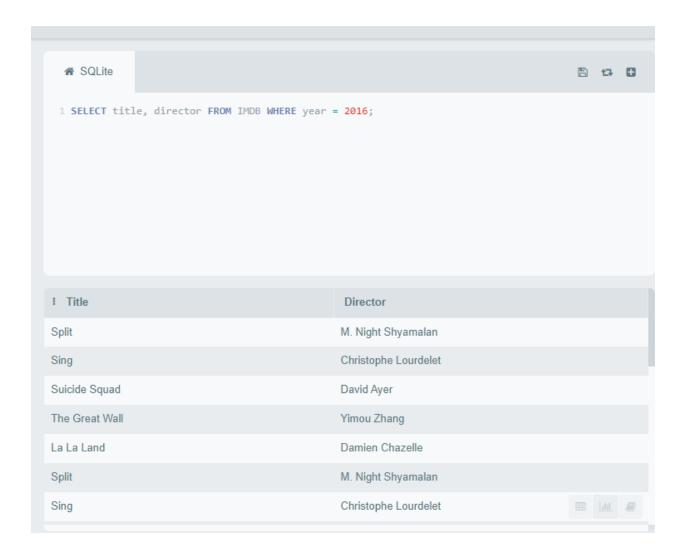


Dataset:

CREATE TABLE IMDB (Title VARCHAR, Genre VARCHAR, Director VARCHAR, Actors VARCHAR, Year INT, Runtime INT, Rating FLOAT, Votes INT, Revenue INT, Metascore INT);

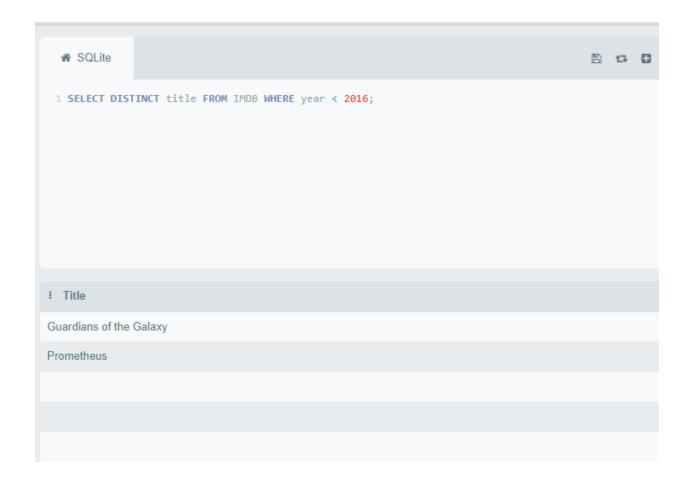
Question: Find the movie that was released in 2016

SELECT title, director from IMDB where year = 2010;



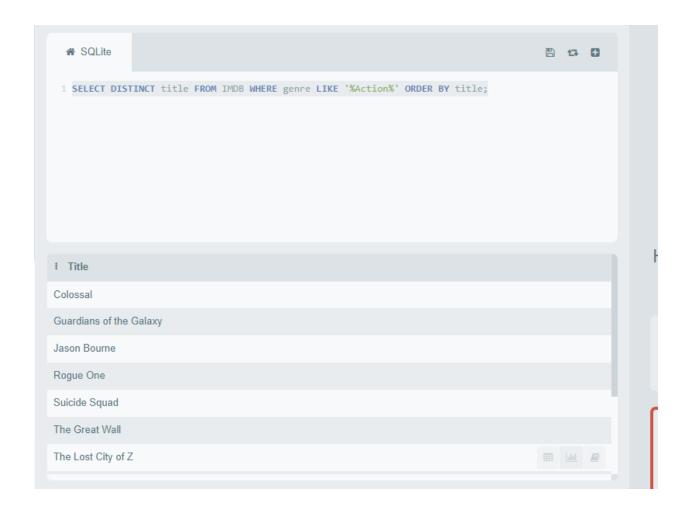
Question: find those movies, which were released before 2016.

SELECT DISTINCT title from IMDB where year < 2016;



Question: Find the movie titles that is of action genre

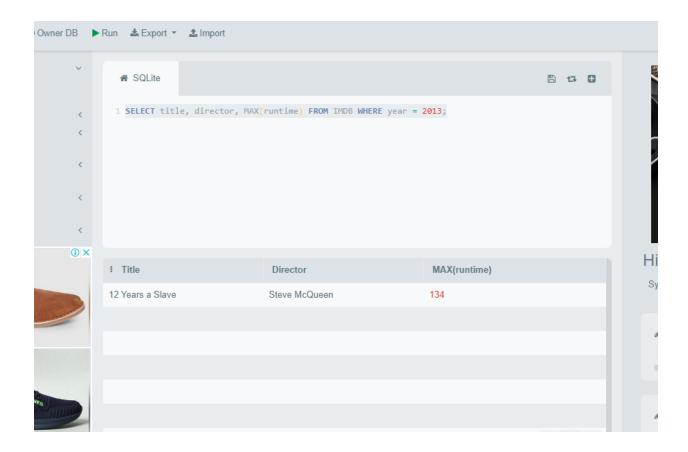
SELECT DISTINCT title from IMDB where genre LIKE '%Action%' ORDER BY title;



Question: Find the details of the movie without any metascore select title from IMDB where metascore = 0;



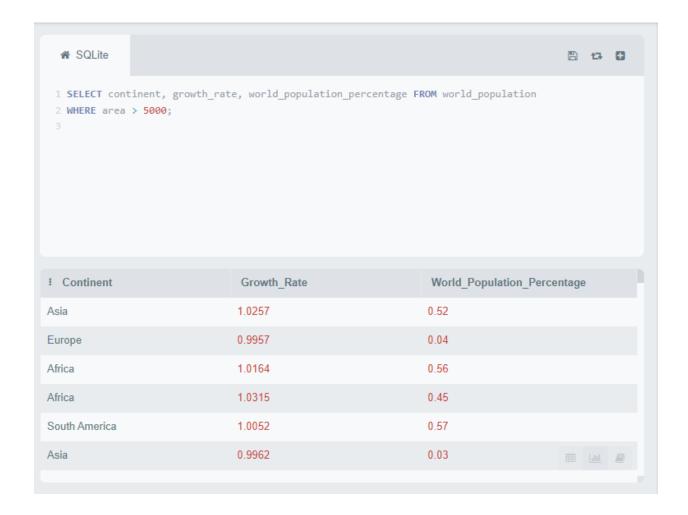
Question: Find Maximum runtime for the year 2013 select title, director, MAX(runtime) from IMDB where year = 2013;



Dataset: World Population

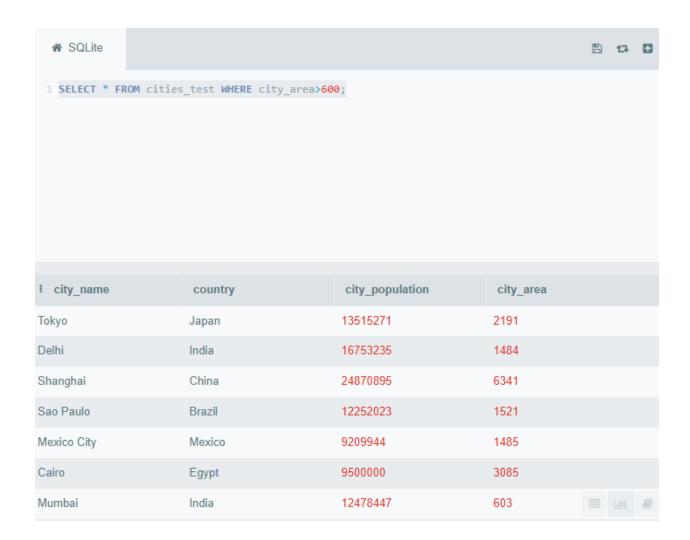
Question: Return Continent, growth rate, and population% where area is greater than 5000

SELECT continent, growth_rate, world_population_percentage FROM world_population where area_ > 5000;



Question: Return all the values where city area is greater than 600

SELECT * from cities_test WHERE city_area>600;

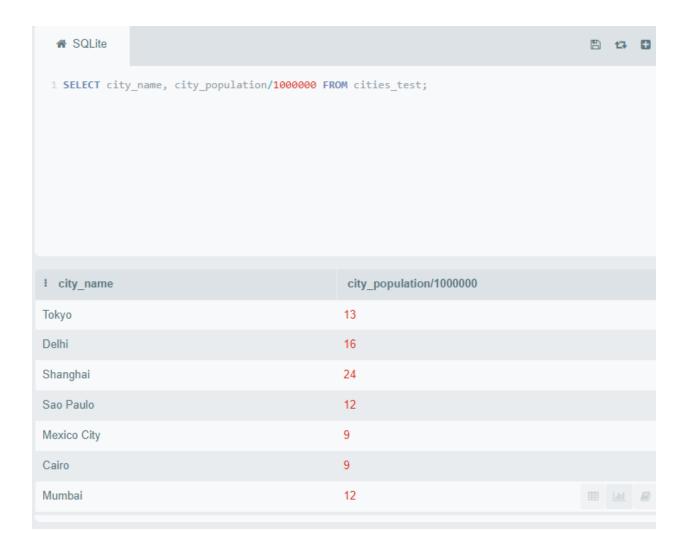


Question: Select the maximum population

SELECT MAX(city_population) from cities_test;



Question: Show the name and population in millions for the countries SELECT city_name, city_population/1000000 from cities_test;



Question: return all data where population is greater 9500000 or area less than 1600.

SELECT * from cities_test where city_population > 9500000 OR city_area < 1600;

