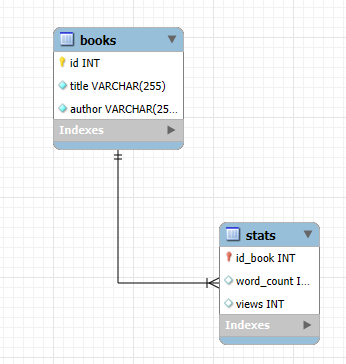
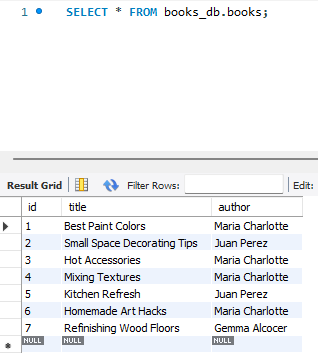
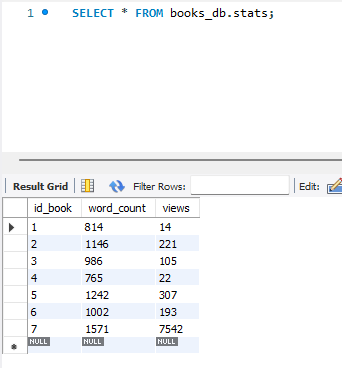
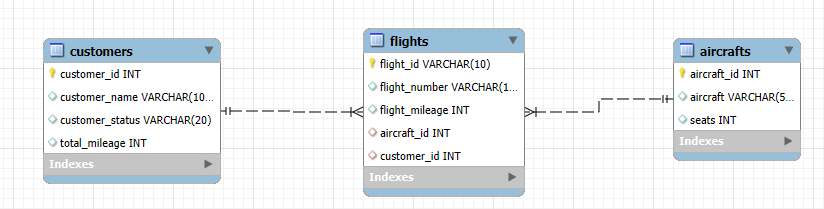
[**Lab-java-sql**](https://github.com/ironhack-labs/lab-java-sql)

1)





2)



**QUERIES PARA CREAR TABLAS:**

CREATE TABLE aircrafts (  
 aircraft\_id INT AUTO\_INCREMENT PRIMARY KEY,  
 aircraft VARCHAR(50) UNIQUE,  
 seats INT  
);  
  
CREATE TABLE customers (  
 customer\_id INT AUTO\_INCREMENT PRIMARY KEY,  
 customer\_name VARCHAR(100),  
 customer\_status VARCHAR(20),  
 total\_mileage INT  
);  
  
CREATE TABLE flights (  
 flight\_id VARCHAR(10) PRIMARY KEY,  
 flight\_number VARCHAR(10),  
 flight\_mileage INT,  
 aircraft\_id INT,  
 customer\_id INT,  
 FOREIGN KEY (aircraft\_id) REFERENCES aircrafts(aircraft\_id),  
 FOREIGN KEY (customer\_id) REFERENCES customers(customer\_id)  
);  
  
  
INSERT INTO aircrafts (aircraft, seats) VALUES  
('Boeing 747', 400),  
('Airbus A330', 236),  
('Boeing 777', 264);  
  
INSERT INTO customers (customer\_name, customer\_status, total\_mileage) VALUES  
('Agustine Riviera', 'Silver', 115235),  
('Alaina Sepulvida', 'None', 6008),  
('Tom Jones', 'Gold', 205767),  
('Sam Rio', 'None', 2653),  
('Jessica James', 'Silver', 127656),  
('Ana Janco', 'Silver', 136773),  
('Jennifer Cortez', 'Gold', 300582),  
('Christian Janco', 'Silver', 14642);  
  
INSERT INTO flights (flight\_id, flight\_number, flight\_mileage, aircraft\_id, customer\_id) VALUES  
('DL143-A', 'DL143', 135, 1, 1),  
('DL122-A', 'DL122', 4370, 2, 1),  
('DL122-B', 'DL122', 4370, 2, 2),  
('DL122-C', 'DL122', 4370, 2, 3),  
('DL53-A', 'DL53', 2078, 3, 3),  
('DL222-A', 'DL222', 1765, 3, 3),  
('DL143-B', 'DL143', 135, 1, 4),  
('DL37-A', 'DL37', 531, 1, 4),  
('DL143-C', 'DL143', 135, 1, 5),  
('DL122-D', 'DL122', 4370, 2, 5),  
('DL222-B', 'DL222', 1765, 3, 6),  
('DL222-C', 'DL222', 1765, 3, 7),  
('DL222-D', 'DL222', 1765, 3, 8);

**QUERIES EJERCICIOS:**

select count(distinct flight\_number) as 3\_total\_flights from flights;  
  
select avg(flight\_mileage) as 4\_flight\_mileage\_AVG from flights;  
  
select avg(seats) as 5\_aircraft\_seats\_AVG from aircrafts;  
  
select customer\_status, avg(total\_mileage) as 6\_mileage\_by\_status\_AVG from customers  
group by customer\_status;  
  
select customer\_status, max(total\_mileage) as 7\_max\_miles\_flown from customers  
group by customer\_status;  
  
select count(aircraft) as 8\_aircraft\_boeing\_count from aircrafts   
where aircraft like '%boeing%';  
  
select flight\_number, max(flight\_mileage) as 9\_fligths\_between from flights  
where flight\_mileage between 300 and 2000  
group by flight\_number;  
  
select customers.customer\_status, avg(flight\_mileage) as 10\_flight\_by\_status\_avg from flights  
inner join customers on flights.customer\_id = customers.customer\_id  
group by customers.customer\_status;  
  
select customers.customer\_status, max(aircrafts.aircraft) as 11\_aircraft\_by\_gold from aircrafts  
join flights on aircrafts.aircraft\_id = flights.aircraft\_id  
join customers on flights.customer\_id = customers.customer\_id  
where customers.customer\_status like "gold"  
group by customers.customer\_status;