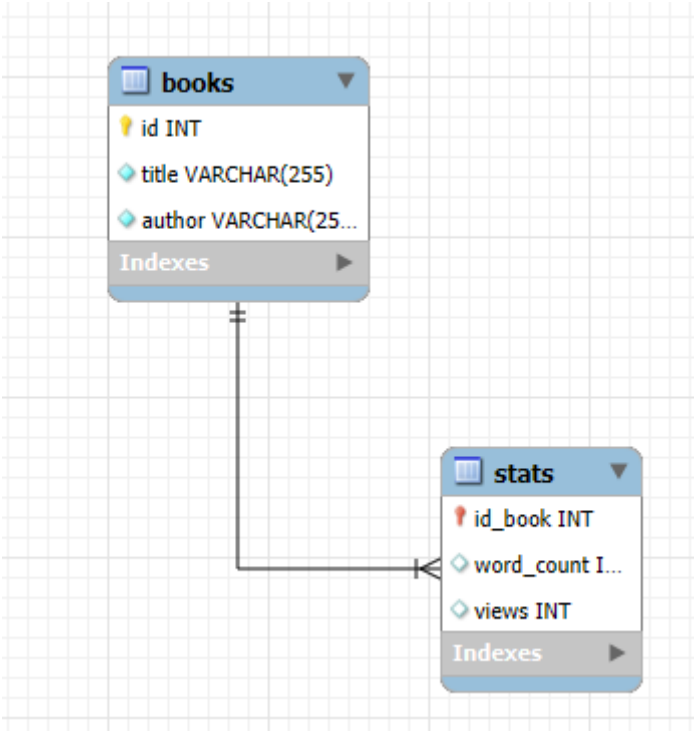


Lab-java-sql

1)



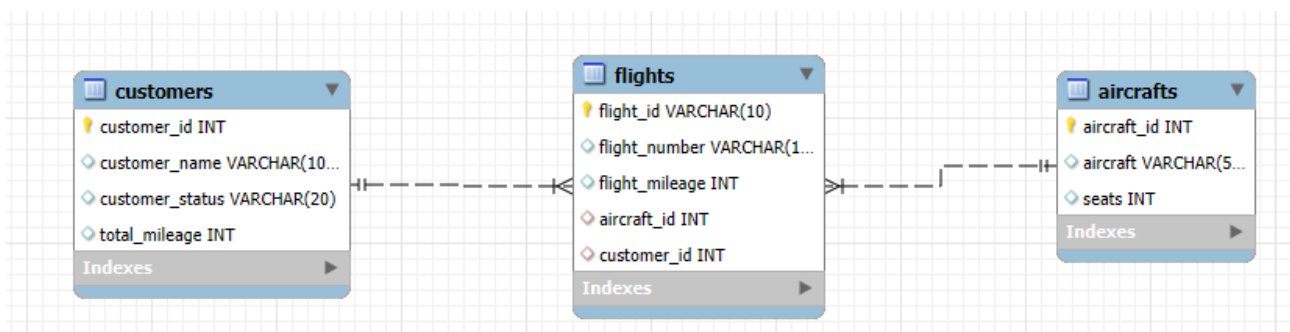
```
1 • SELECT * FROM books_db.books;
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:			
	id	title	author
▶	1	Best Paint Colors	Maria Charlotte
	2	Small Space Decorating Tips	Juan Perez
	3	Hot Accessories	Maria Charlotte
	4	Mixing Textures	Maria Charlotte
	5	Kitchen Refresh	Juan Perez
	6	Homemade Art Hacks	Maria Charlotte
	7	Refinishing Wood Floors	Gemma Alcocer
*	NULL	NULL	NULL

1 • `SELECT * FROM books_db.stats;`

	id_book	word_count	views
▶	1	814	14
	2	1146	221
	3	986	105
	4	765	22
	5	1242	307
	6	1002	193
	7	1571	7542
★	NULL	NULL	NULL

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\_flights\_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;