insert into cars(make,model,price) values ('Toyota','Corolla',18500);

insert into cars(make,model,price) values ('Toyota','Camry',23495);

insert into cars(make,model,price) values ('Toyota','Highlander',30630);

insert into cars(make,model,price) values ('Honda','Accord',24460);

insert into cars(make,model,price) values ('Honda','Civic',19730);

insert into cars(make,model,price) values ('Honda','Fit',17080);

insert into cars(make,model,price) values ('Nissan','Altima',23385);

insert into cars(make,model,price) values ('Nissan','Leaf',30875);

insert into cars(make,model,price) values ('Nissan','Maxima',33495);

insert into cars(make,model,price) values ('Chevrolet','Camaro',26900);

insert into cars(make,model,price) values ('Chevrolet','Corvette',56590);

insert into cars(make,model,price) values ('Chevrolet','Malibu',22555);

insert into customers(first\_name,last\_name,sex) values ('Jane','Doe','F');

insert into customers(first\_name,last\_name,sex) values ('John','Doe','M');

insert into customers(first\_name,last\_name,sex) values ('Katherine','Johnson','F');

insert into customers(first\_name,last\_name,sex) values ('Eric','Raymond','M');

insert into customers(first\_name,last\_name,sex) values ('Bill','Gates','M');

insert into customers(first\_name,last\_name,sex) values ('Ada','Lovelace','F');

insert into customers(first\_name,last\_name,sex) values ('Grace','Hopper','F');

insert into customers(first\_name,last\_name,sex) values ('Scott','Berkun','M');

-- Inserting data into sales table

insert into sales(car\_id, customer\_id) values(9,1);

insert into sales(car\_id, customer\_id) values(9,4);

insert into sales(car\_id, customer\_id) values(4,2);

insert into sales(car\_id, customer\_id) values(4,8);

insert into sales(car\_id, customer\_id) values(4,5);

insert into sales(car\_id, customer\_id) values(2,3);

insert into sales(car\_id, customer\_id) values(6,6);

insert into sales(car\_id, customer\_id) values(5,7);

Queries

1. All the cars

lab2\_db=> select \* from cars;

id | make | model | price

----+-----------+------------+----------

1 | Toyota | Corolla | 18500.00

2 | Toyota | Camry | 23495.00

3 | Toyota | Highlander | 30630.00

4 | Honda | Accord | 24460.00

5 | Honda | Civic | 19730.00

6 | Honda | Fit | 17080.00

7 | Nissan | Altima | 23385.00

8 | Nissan | Leaf | 30875.00

9 | Nissan | Maxima | 33495.00

10 | Chevrolet | Camaro | 26900.00

11 | Chevrolet | Corvette | 56590.00

12 | Chevrolet | Malibu | 22555.00

(12 rows)

1. All the customers

lab2\_db=> select \* from customers;

id | first\_name | last\_name | sex

----+------------+-----------+-----

1 | Jane | Doe | F

2 | John | Doe | M

3 | Katherine | Johnson | F

4 | Eric | Raymond | M

5 | Bill | Gates | M

6 | Ada | Lovelace | F

7 | Grace | Hopper | F

8 | Scott | Berkun | M

(8 rows)

1. All the sales, showing the customer's first\_name and last\_name, and the car's make, model and price.

lab2\_db=> select make,model,price,first\_name,last\_name from cars,sales,customers where cars.id=sales.car\_id and customers.id=sales.customer\_id;

make | model | price | first\_name | last\_name

--------+--------+----------+------------+-----------

Nissan | Maxima | 33495.00 | Jane | Doe

Nissan | Maxima | 33495.00 | Eric | Raymond

Honda | Accord | 24460.00 | John | Doe

Honda | Accord | 24460.00 | Scott | Berkun

Honda | Accord | 24460.00 | Bill | Gates

Toyota | Camry | 23495.00 | Katherine | Johnson

Honda | Fit | 17080.00 | Ada | Lovelace

Honda | Civic | 19730.00 | Grace | Hopper

(8 rows)

1. All the cars (make, model, price) bought by females (first\_name,last\_name,sex)

lab2\_db=> select make,model,price,first\_name,last\_name from cars,sales,customers where cars.id=sales.car\_id and customers.id=sales.customer\_id and customers.sex='F';

make | model | price | first\_name | last\_name

--------+--------+----------+------------+-----------

Nissan | Maxima | 33495.00 | Jane | Doe

Toyota | Camry | 23495.00 | Katherine | Johnson

Honda | Fit | 17080.00 | Ada | Lovelace

Honda | Civic | 19730.00 | Grace | Hopper

(4 rows)