-- 2. Given a passenger’s last name and first name and retrieve all trains they are booked on.

SELECT

P.First\_name, P.Last\_name, T.Train\_number, T.Train\_name, TS.Train\_date

FROM

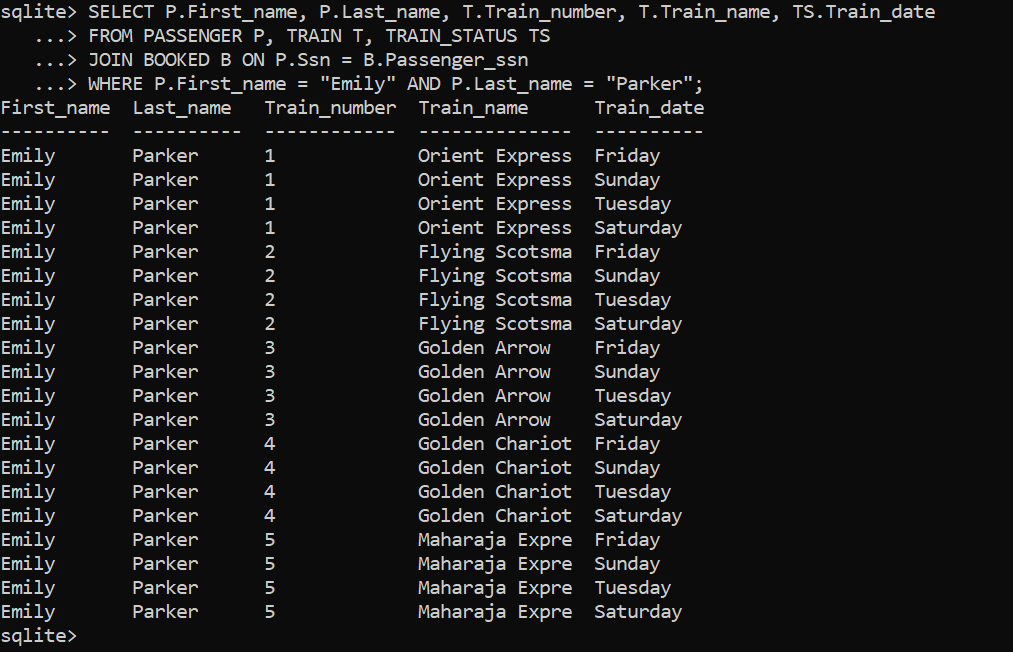
PASSENGER P, TRAIN T, TRAIN\_STATUS TS

JOIN

BOOKED B ON P.Ssn = B.Passenger\_ssn

WHERE

P.Last\_name = "Parker" AND P.First\_name = "Emily";



--3. Given a day list the passengers traveling on that day with confirmed tickets.

SELECT

P.First\_name, P.Last\_name, B.Train\_Num, B.Status

FROM

PASSENGER P, BOOKED B

JOIN

TRAIN T ON B.Train\_Num = T.Train\_number

JOIN

TRAIN\_STATUS TS ON T.Train\_name = TS.Train\_title

WHERE

TS.Train\_date = "Sunday" AND B.Passenger\_ssn = P.Ssn AND B.Status = "Booked";

A computer screen with white text

Description automatically generated

--4. Display the train information (Train Number, Train Name, Source and Destination) and passenger information (Name, Address, Category, ticket status) of passengers who are between the ages of 50 to 60.

SELECT

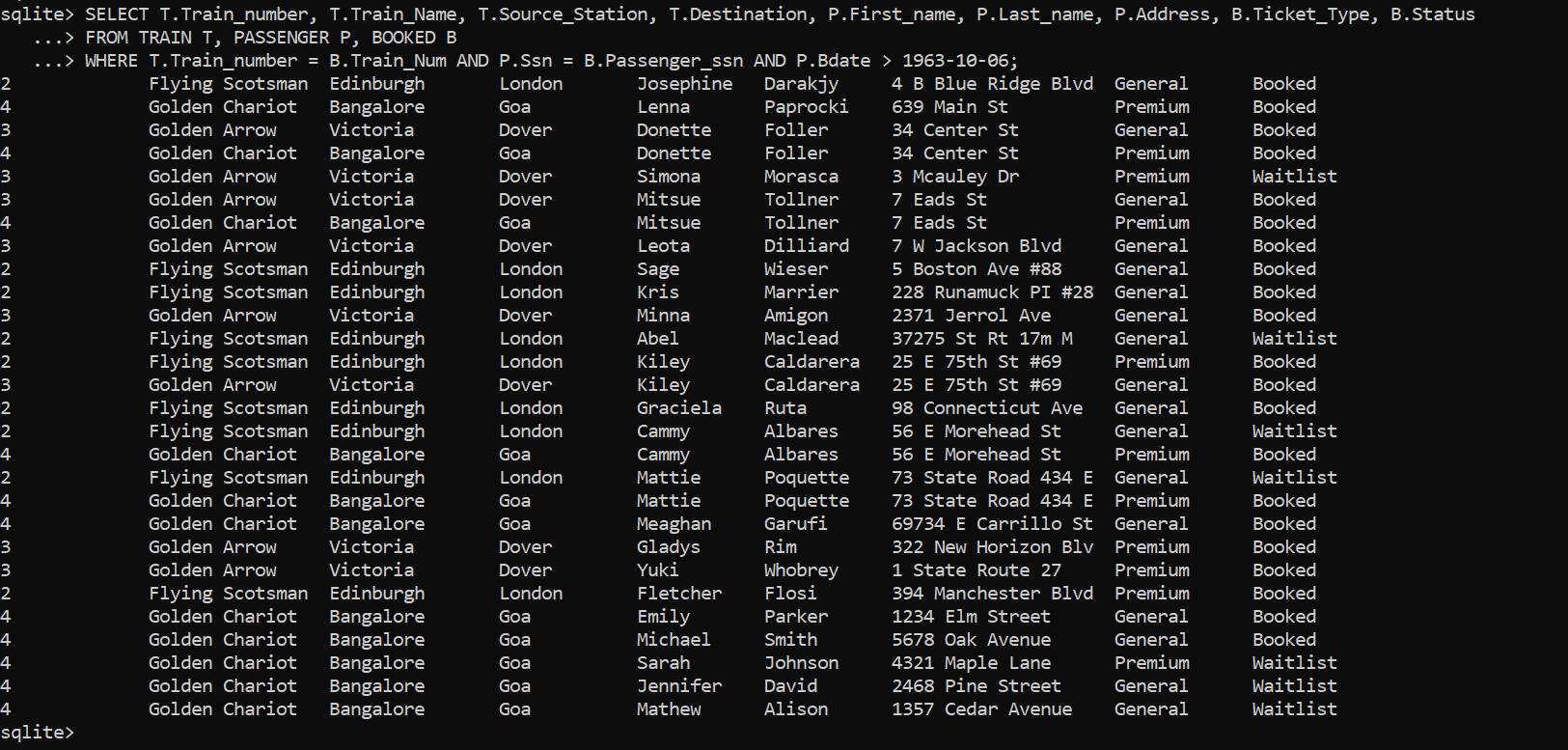
T.Train\_number, T.Train\_Name, T.Source\_Station, T.Destination, P.First\_name, P.Last\_name, P.Address, B.Ticket\_Type, B.Status

FROM

TRAIN T, PASSENGER P, BOOKED B

WHERE

T.Train\_number = B.Train\_Num AND P.Ssn = B.Passenger\_ssn AND P.Bdate > 1963-10-06 AND P.Bdate < 1973-10-06;



--5. List train name, day and number of passenger on that train.

SELECT

t.Train\_name,

ts.Train\_date AS Day,

COUNT(b.Passenger\_ssn) AS Number\_of\_Passengers

FROM

TRAIN t

JOIN

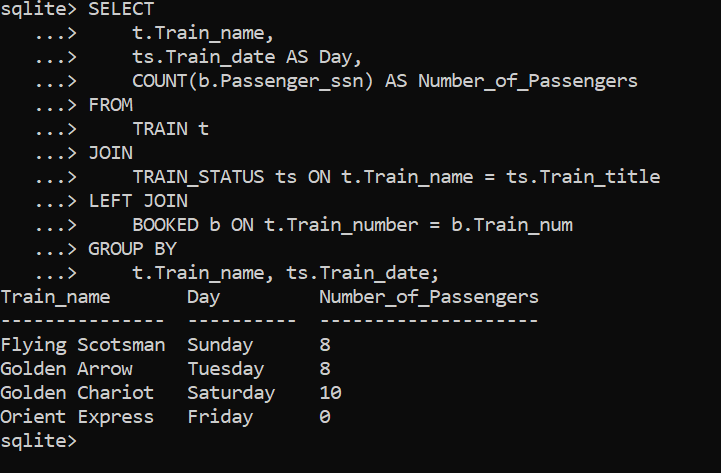
TRAIN\_STATUS ts ON t.Train\_name = ts.Train\_title

LEFT JOIN

BOOKED b ON t.Train\_number = b.Train\_num

GROUP BY

t.Train\_name, ts.Train\_date;



--6. Enter a train name and retrieve all the passengers with confirmed status traveling on that train.

SELECT

P.First\_name,

P.Last\_name,

P.Ssn,

B.Ticket\_type,

B.Status

FROM

BOOKED B

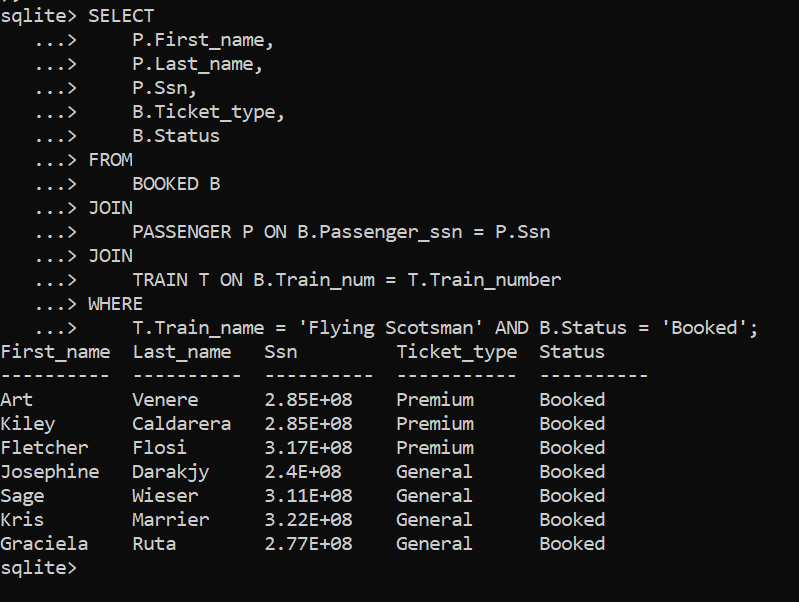
JOIN

PASSENGER P ON B.Passenger\_ssn = P.Ssn

JOIN

TRAIN T ON B.Train\_num = T.Train\_number

WHERE T.Train\_name = 'Flying Scotsman' AND B.Status = 'Booked';



--7. List passengers that are waitlisted including the name of the train.

SELECT

P.First\_name,

P.Last\_name,

T.Train\_name AS Train\_name

FROM

PASSENGER P

JOIN

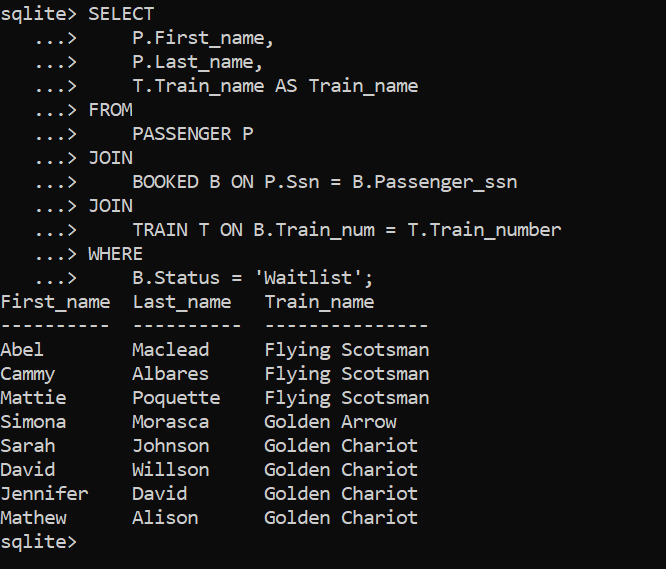
BOOKED B ON P.Ssn = B.Passenger\_ssn

JOIN

TRAIN T ON B.Train\_num = T.Train\_number

WHERE

B.Status = 'Waitlist';



--8. List passenger names in descending order that have '605' phone area code.

SELECT

First\_name,

Last\_name

FROM

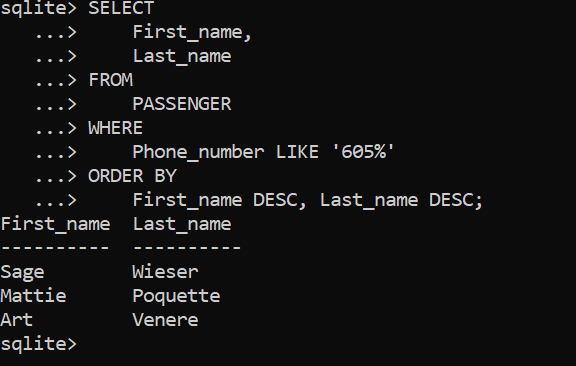
PASSENGER

WHERE

Phone\_number LIKE '605%'

ORDER BY

First\_name DESC, Last\_name DESC;



--9. List name of passengers that are traveling on Thursdays in ascending order.

SELECT

P.First\_name,

P.Last\_name

FROM

PASSENGER P, BOOKED B

JOIN TRAIN T ON B.Train\_num = T.Train\_number

JOIN TRAIN\_STATUS TS ON T.Train\_name = TS.Train\_title

WHERE

TS.Train\_date = "Thursday" AND

B.Passenger\_ssn = P.Ssn

ORDER BY

P.First\_name, P.Last\_name;

