SQL TASKS

1. For each reservation, list the reservation ID, trip ID, customer number, and customer last name. Order the results by customer last name.



Fig. 1 Customer number, last name, reservation id and trip id query.

2. For each reservation for customer Ryan Goff, list the reservation ID, trip ID, and number of persons.

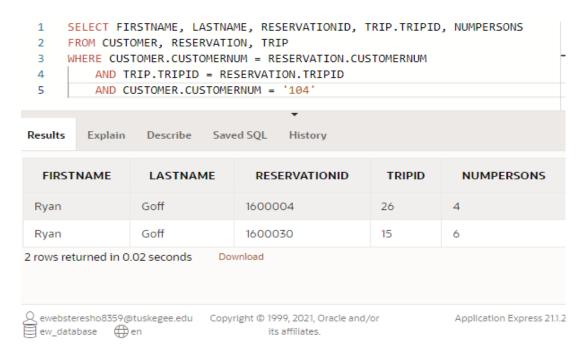


Fig. 2 First name, last name, reservation id, trip id and number of persons query.

3. List the trip name of each trip that has Miles Abrams as a guide.

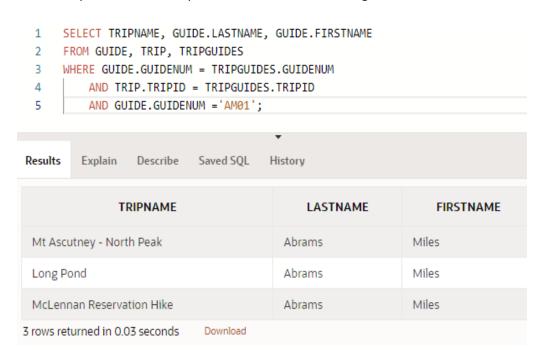


Fig. 3 Trip name, last name and first name query.

4. List the trip name of each trip that has the type Biking and that has Rita Boyers as a guide.

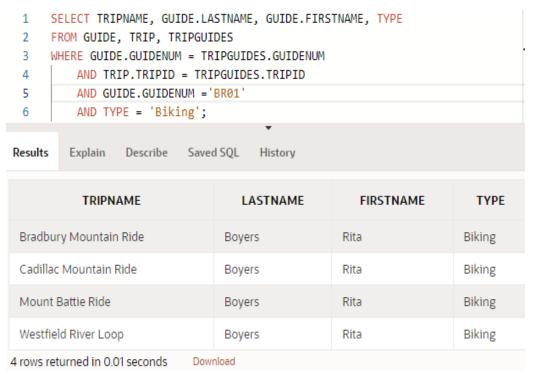


Fig. 4 Trip name, last name, first name and type query.

5. For each reservation that has a trip date of July 23, 2016, list the customer's last name, the trip name, and the start location.

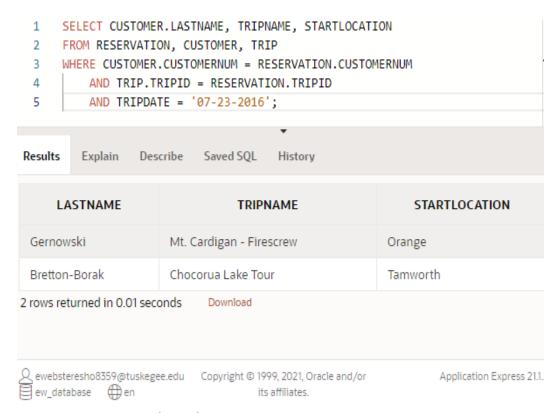


Fig. 5 Last name, trip name and start location query.

6. Find the guide last name and guide first name of all guides who can lead a paddling trip.

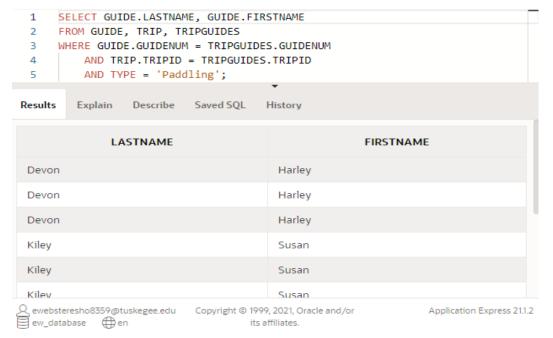


Fig.6 Last name and first name query.

7. Repeat Exercise 8 but use aliases for the table names.

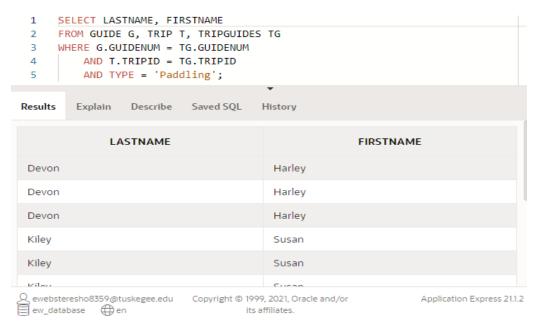


Fig.7 Last name and first name query.

8. List the trip IDs and trip names for each pair of trips that have the same start location. (For example, one such pair would be trip ID 2 and trip ID 3, because the start location of both trips is Weathersfield.) The first trip ID listed should be the major sort key, and the second trip ID should be the minor sort key.

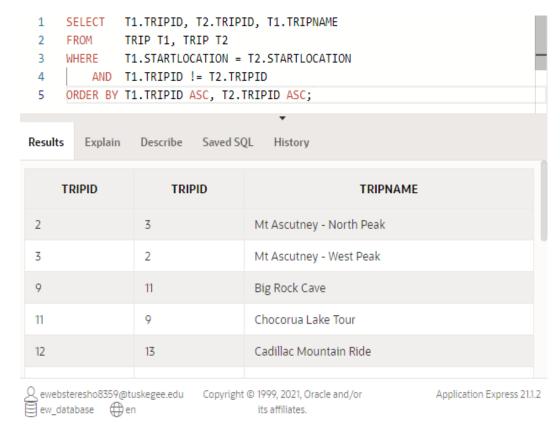


Fig. 8 Trip id and trip name query.

9. Find the trip name of all reservations for hiking trips and sort the results by trip name in ascending order.



Fig.9 Trip name query.

10. Colonial Adventure Tours calculates the total price of a trip by adding the trip price plus other fees and multiplying the result by the number of persons included in the reservation. List the reservation ID, trip ID, customer number, and total price for all reservations where the number of persons is greater than four. Use the column name TOTAL_PRICE for the calculated field.



Fig. 10 Query about reservation id, trip id, customer number and total price.

11. What is the average distance and the average maximum group size for each type of trip?

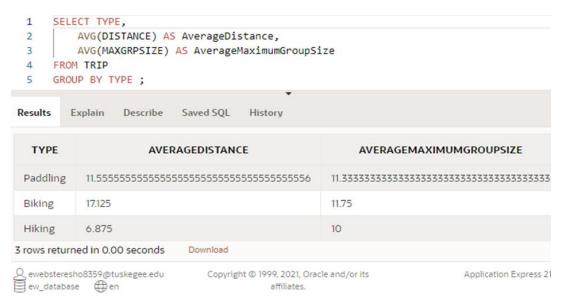


Fig. 11 Query about average distance and average maximum group size.

12. For each trip in the RESERVATION table that has more than one reservation, group by trip ID and sum the trip price.

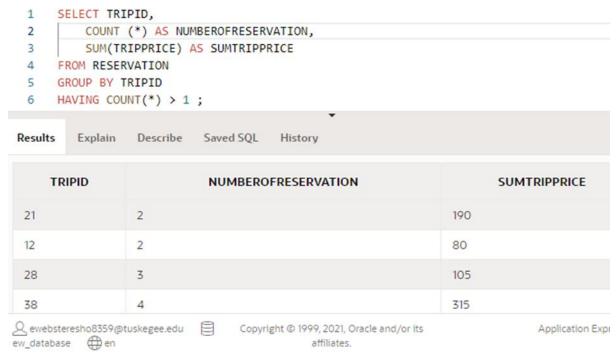


Fig. 12 Query about trip id, number of reservation and sum of trip price.