

## Database

### Task 4

#### SQL: SINGLE TABLE QUERIES . . . continued

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## YOUR TASKS

1. Perform the queries below for the listed database(s).

### QUERIES

#### Colonial Adventure Tours

Use SQL and the Colonial Adventure Tours database to complete the following exercises. Provide screen snips of query outputs

5. List the customer number, customer last name, and customer first name of each customer that lives in New Jersey (NJ), New York (NY) or Pennsylvania (PA). Use the IN operator in your command.
6. Repeat Exercise 5 and sort the records by state in descending order and then by customer last name in ascending order.
7. How many trips are in the states of Maine (ME) or Massachusetts (MA)?
8. How many trips originate in each state?
9. How many reservations include a trip price that is greater than \$20 but less than \$75?
10. How many trips of each type are there?
11. 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.
12. Find the name of each trip containing the word "Pond."
13. List the guide's last name and guide's first name for all guides that were hired before June 10, 2013.
14. What is the average distance and the average maximum group size for each type of trip?
15. Display the different seasons in which trips are offered. List each season only once.
16. ~~List the reservation IDs for reservations that are for a paddling trip. (Hint: Use a subquery.)~~
17. What is the longest distance for a biking trip?
18. For each trip in the RESERVATION table that has more than one reservation, group by trip ID and sum the trip price. (Hint: Use the COUNT function and a HAVING clause.) How many current reservations does Colonial Adventure Tours have and what is the total number of persons for all reservations?