Chapter 6: Colonial Adventure Tours Questions

1. Create a PADDLING table with the structure show in in Fig. 6-29.
   1. CREATE TABLE PADDLING(TRIP\_ID DECIMAL(3,0) PRIMARY KEY, TRIP\_NAME CHAR(75), STATE CHAR(2), DISTANCE DECIMAL(4,0), MAX\_GRP\_SIZE DECIMAL(4,0), SEASON CHAR(20));

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1. Insert into the PADDLING table the trip ID, trip name, state, distance, maximum group size, and season from the TRIP table for only those trips that have type PADDLING.
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      Description automatically generatedINSERT INTO PADDLING SELECT TRIP\_ID, TRIP\_NAME, STATE, DISTANCE, MAX\_GRP\_SIZE, SEASON FROM TRIP WHERE TYPE= 'Paddling';
2. For all trips located in Connecticut (CT), increase the maximum group size by two. Update the PADDLING table accordingly.
   1. Graphical user interface, text

      Description automatically generatedUPDATE PADDLING SET MAX\_GRP\_SIZE = MAX\_GRP\_SIZE + 2 WHERE STATE = 'CT';
3. Insert a new trip into the PADDLING table. The trip ID is 43, the trip name is Lake Champlain Tour, the state is Vermont (VT), the maximum group size is 12, the distance is 16 and the season is Summer.
   1. INSERT INTO PADDLING VALUES(43, 'Lake Champlain Tour', 'VT', 16, 12, 'Summer');

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1. Delete the trip in the PADDLING table with the trip ID 23.
   1. DELETE FROM PADDLING WHERE TRIP\_ID = 23;

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1. The distance for the Pontook Reservoir Tour trip has been increased to an unknown number. Change the PADDLING table to reflect this change.
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      Description automatically generatedUPDATE PADDLING SET DISTANCE = NULL WHERE TRIP\_NAME = 'Pontook Reservoir Tour';
2. Add to the PADDLING table a new character column named DIFFICULTY\_LEVEL that is tree characters in length. Then set the default difficulty level value for al rows to the value MOD.
   1. ALTER TABLE PADDLING ADD DIFFICULTY\_LEVEL CHAR(3);

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     Description automatically generatedUPDATE PADDLING SET DIFFICULTY\_LEVEL = 'MOD';

1. Change the DIFFICULTY\_LEVEL column in the PADDLING table to HRD for the Lake Champlain Tour trip.
   1. A screenshot of a computer

      Description automatically generatedUPDATE PADDLING SET DIFFICULTY\_LEVEL = 'HRD' WHERE TRIP\_NAME = 'Lake Champlain Tour';
2. Change the length of the SEASON column in the PADDLING table to 25 characters.
   1. ALTER TABLE PADDLING MODIFY SEASON CHAR(25);

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1. Change the DIFFICULTY\_LEVEL column in the PADDLING table to reject nulls.
   1. ALTER TABLE PADDLING MODIFY DIFFICULTY\_LEVEL NOT NULL;

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1. Delete the PADDLING table form the database.
   1. Graphical user interface, application

      Description automatically generatedDROP TABLE PADDLING;
2. Use the Internet to research another data type that you can use in Oracle for character data, and then re-write the SQL commands to create the PADDLING table using the other data type. Be sure to cite you references.
   1. CREATE TABLE PADDLING (TRIP\_ID DEC(3,0) PRIMARY KEY, TRIP\_NAME VARCHAR(75), STATE VARCHAR(2), DISTANCE DEC(4,0), MAX\_GRP\_SIZE DEC(4,0), SEASON VARCHAR(20));
   2. <https://www.journaldev.com/16774/sql-data-types>
   3. <https://www.w3schools.com/sql/sql_datatypes.asp>
   4. Graphical user interface, application

      Description automatically generatedWHILE CHAR IS A FIXED LENGTH STRING, VARCHAR IS A VARIABLE length string that allows not just letters but numbers and other characters into the string length. There was the option of using Float for the TRIP\_ID, Group Size and Distance but it seemed more reasonable to use the DEC which is DECIMAL but shorter.