Chapter 4 Assignment

Questions

Perform following tasks in Colonial Adventure Tours database in Access and/or MySQL. Type your answer in this word document and submit this word document.

* Write the SQL to create a new view named MATrip. It consists of trip name, distance, type and season of all trips in state MA.

SELECT

TripName, State, Distance, Type, Season

FROM Trip

WHERE State = 'MA';

* Write the SQL command that can be used to create a new view named ReservationCustomer. It consists of the reservation ID, trip ID, trip date, customer last name, customer first name and phone number.

SELECT

Reservation.ReservationID, Reservation.TripID, Reservation.TripDate, Customer.LastName, Customer.FirstName, Customer.Phone

FROM Customer INNER JOIN Reservation ON Customer.CustomerNum = Reservation.CustomerNum;

* Write the SQL command that could be used in ALTER TABLE or CREATE TABLE to setup TripID as a foreign key in TripGuides table

ALTER TABLE TripGuides

ADD CONSTRAINT fk\_TripID

FOREIGN KEY (TripID)

REFERENCES Trip(TripID);

* Write the SQL command that could be used in ALTER TABLE or CREATE TABLE to setup CustomerNum as a foreign key in Reservation table

ALTER TABLE Reservation

ADD CONSTRAINT fk\_CustomerNum

FOREIGN KEY (CustomerNum)

REFERENCES Customer(CustomerNum);

* Write the SQL commands to create following indexes using the indicated name
* Index named TripIndex1 on the TripName field in the Trip table
* Index named TripIndex2 on the Type field in the Trip table
* Index named TripIndex3 on the Type and Season fields in the Trip table (Season field in descending order)

Indexes saved under > table design > indexes

* Write the SQL command to add a new column Waiver in customer table of one character in length.

alter table Customer

add column Waiver varchar(1)

* Write the SQL command to change the PostalCode column in customer table’s length to 10 characters.

ALTER TABLE Customer

ALTER COLUMN ZipCode TEXT(10)