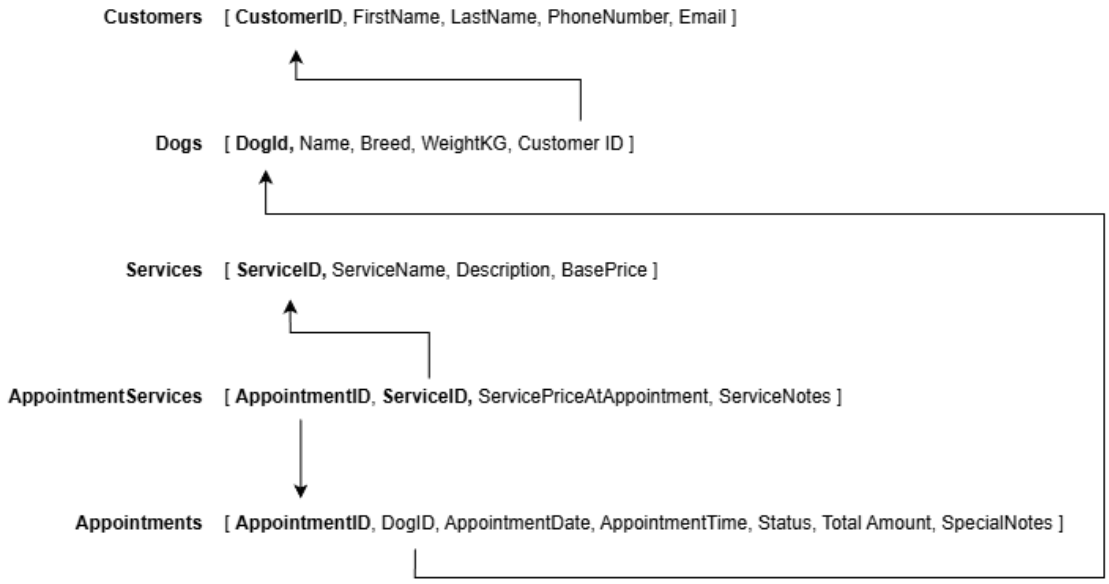
SQL Short Response Practice

Use the following dog washing business database schema for all questions.



Question 1

Write an SQL query to display the FirstName and LastName of all customers registered in the Customers table [2 marks].

Question 2

Write an SQL query to list the Name of all dogs that are of the 'Poodle' Breed from the Dogs table [2 marks].

Question 3

Write an SQL query to determine the total number of distinct Services offered by the business [2 marks].

Question 4

Write an SQL query to calculate the average WeightKG of all dogs belonging to a customer named 'Alice Smith' [3 marks].

Question 5

Write an SQL query to list all ServiceName and their BasePrice from the Services table, ordered from the most expensive to the least expensive [2 marks].

Question 6

Write an SQL query to display the AppointmentDate, the Name of the dog, and the FirstName of the customer for all appointments [3 marks].

Question 7

Write an SQL query to show how many services are included in each appointment [3 marks].

Question 8

Write an SQL statement to add a new customer to the Customers table with the following details: FirstName 'Emily', LastName 'Brown', PhoneNumber '0412345678', Email 'emily.brown@example.com' [2 marks].

Question 9

Write an SQL statement to update the WeightKG of the dog named 'Buddy' to 25.5 in the Dogs table. Assume there is only one dog named 'Buddy' in the system [2 marks].

Question 10

Write an SQL statement to delete the appointment with AppointmentID 101 from the Appointments table [2 marks].

Marking Guide

Question	Sample Response	Response	Mark
1	SELECT FirstName, LastName FROM Customers;	Correct SELECT statement specifying FirstName and LastName	1
		Correct FROM clause referencing the Customers table	1
2	SELECT Name FROM Dogs WHERE Breed = 'Poodle';	Correct SELECT statement for Name from the Dogs table.	1
		Correct WHERE clause to filter for Breed = 'Poodle'.	1
3	SELECT COUNT(*) FROM Services;	Correct use of COUNT() to count ServiceID or *.	1
		Correct FROM clause referencing the Services table.	1

4	SELECT AVG(Dogs.WeightKG)
	FROM Dogs
	JOIN Customers ON Dogs.CustomerID = Customers.CustomerID
	WHERE Customers.FirstName = 'Alice'
	  AND Customers.LastName = 'Smith';
	
	or
	
	SELECT AVG(WeightKG)
	FROM Dogs
	WHERE CustomerID IN (
	  SELECT CustomerID
	  FROM Customers
	  WHERE FirstName = 'Alice'
	  AND LastName = 'Smith'
	);
		Correct use of AVG(d.WeightKG).	1

		Correct JOIN operation to link Dogs and Customers tables (e.g., JOIN Customers c ON d.CustomerID = c.CustomerID). or Correct subquery using IN operator to retrieve the CustomerID	1
		Correct WHERE clause to filter by customer's FirstName and LastName.	1
5	SELECT ServiceName, BasePrice FROM Services ORDER BY BasePrice DESC, ServiceName ASC;	Correct SELECT statement for ServiceName and BasePrice from the Services table.	1
		1 mark: Correct ORDER BY BasePrice DESC clause.	1

6	SELECT Appointments.AppointmentDate,
	  Dogs.Name DogName,
	  Customers.FirstName
	FROM Appointments
	JOIN Dogs ON Appointments.DogID = Dogs.DogID
	JOIN Customers ON Dogs.CustomerID = Customers.CustomerID;
		Correct SELECT statement for AppointmentDate, Dog Name, and Customer FirstName.	1

		Correct JOIN between Appointments and Dogs tables.	1
		Correct JOIN between Dogs and Customers tables.	1
7	SELECT AppointmentID, COUNT(*) FROM AppointmentServices GROUP BY AppointmentID;	Correct SELECT AppointmentID, COUNT(ServiceID).	1
		Correct FROM clause referencing AppointmentServices.	1
		Correct GROUP BY AppointmentID clause.	1

Question	Sample Response	Response	Mark
8	INSERT INTO Customers (FirstName, LastName, PhoneNumber, Email) VALUES ('Emily', 'Brown', '0412345678', 'emily.brown@example.com');	Correct INSERT INTO Customers clause including appropriate column names.	1
		Correct VALUES clause with all provided data types and values.	1
9	UPDATE Dogs SET WeightKG = 25.5 WHERE Name = 'Buddy';	Correct UPDATE Dogs SET WeightKG = 25.5.	1
		Correct WHERE Name = 'Buddy' clause.	1
10	DELETE FROM Appointments WHERE AppointmentID = 101;	Correct DELETE FROM Appointments.	1
		Correct WHERE AppointmentID = 101 clause.	1