Section – A: Theory Questions

1. **How many data types are available in SQL?**
2. **What is the difference between Char and Varchar data types in SQL?**
3. **What is the difference between Float and decimal data types in SQL?**
4. **What is the difference between the Datetime and Timestamp data types in SQL, and how are they used?**
5. **What is the definition of DML and how many DML commands are there in SQL?**

Section – B: Practice Questions

1. **How to check the “zomato” database exists?**
2. **Create a “zomato” database in SQL Workbench or the Command-Line Interface**
3. **How to check whether the database is selected and What is the process for selecting the database named ‘zomato' in SQL Workbench?**
4. **Create table Restaurant with following structure**

**/\***

**- Id ​ INT PRIMARY KEY**

**- Name ​ VARCHAR**

**\*/**

1. **Create table dishes which follows a referential integrity constraint**

**/\***

**- DishId ​ INT**

**- DishName ​ VARCHAR**

**- Price ​ FLOAT,**

**- RestaurantId ​ INT → it references the 'id' field of restaurant table**

**\*/**

1. **How to insert the following values into the "Restaurant" table:**

**/\***

**(1, 'Punjabi Rasoi'),**

**(2, 'Udupi Grand'),**

**(3, 'BBQ nation')**

**\*/**

1. **Insert the following values into the 'dishes' table:**

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**(1,'Dal Makhni', 120.00, 1),**

**(2,'Sarso Saag', 100.00, 1),**

**(3,'Tandoori Roti', 12.00, 1),**

**(4, 'Masala Dosa' , 40.00, 2),**

**(5, ' Rava Idly', 50.00 , 2),**

**( 6, 'Vada', 30.00, 2),**

**( 7, 'pizza', 150.00, 3),**

**( 8, 'burger', 80.00, 3),**

**(9, 'Momos', 50.00,3)**

**\*/**

1. **Show all the dishes with respective prices which belong to restaurant 'Punjabi Rasoi'**

**Hint: The Id of Punjabi Rasoi is 1**

1. **Show all the restaurants whose name contains 'bbq' as substring.**
2. **Show all dishes whose price is greater than or equal to 120.**
3. **Change the datatype of the Price column in the Dishes table from INT to BIGINT**
4. **Rename the column name "DishName" to "Items"**
5. **Create a new table name “Orders”**

**/\***

**the following fields:**

**- order\_id**

**- order\_date**

**- dishes\_id**

**then, insert the following values to the orders table**

**(1, "2020-01-21", 1),**

**(2, "2020-01-05", 6),**

**(3, "2020-01-05", 2),**

**(4, "2020-01-02", 3),**

**(5, "2020-01-16", 1),**

**(6, "2020-01-29", 2)**

**\*/**

1. **Remove all the data which exists in the orders while retaining the structure.**
2. **Check whether data exist in the table “orders”.**
3. **Drop the orders table from the “zomato” schema.**