**SQL:**

1. What is Schema in SQL?

Solution-A SQL schema is a logical container for database objects like tables, views, indexes, etc.

1. How many types of Normal Forms do we have in SQL? and what are they?

Solution- **First Normal Form (1NF)**

**Second Normal Form (2NF)**

**Third Normal Form (3NF)**

1. Given a table called "customers" with columns for customer\_id, customer\_name, and join\_date, how can you retrieve all customers who joined before January 1, 2022, using an SQL query?

Solution-Select \*

From customers

Where join\_date < ‘2022-01-01’;

1. In a table called "products," how can you retrieve the product with the highest price using an SQL query?

Solution-Select \* from products

Where price =(SELECT MAX(price) FROM products);

1. How to select UNIQUE records from a table using a SQL Query?

Solution-Select distinct column1, column2,…

From table\_name;

**PowerBI:**

1. What is Power BI?

Solution- Power BI is a business analytics service provided by Microsoft. It allows users to visualize and analyze data from various sources, creating interactive reports and dashboards that can be shared across an organization or embedded into applications

1. Which of the following is not a way to create a new visualisation in Power BI?

Solution-

1. In Power BI, how do you make a calculated column?

Solution- In Power BI, you can create a calculated column by using the "New Column" feature in the Power Query Editor or by using the DAX

1. What distinguishes a measure in Power BI from a computed column?

Solution- Measures are created using DAX (Data Analysis Expressions), a formula language used in Power BI for creating custom calculations. A measure is a calculation applied to the data in your dataset. It typically involves aggregations or calculations.

1. How can you schedule data refresh in Power BI Service?

Solution- **Publish Report**:

**Ensure Data Sources Support Refresh**

**Navigate to Dataset Settings**

**Schedule Refresh**