

# Data Cleaning, Transformation and Modelling

## Assignment Question



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**Dataset Link :** [Corona\\_Virus\\_2020](#)

## Theoretical Questions

**Question 1:** What is Data Loading in Power BI and why is it considered the first step of analysis?

**Question 2 :** Explain the difference between “Load” and “Transform Data” in Power BI.

**Question 3 :** What is a Fact Table and a Dimension Table? Give examples from the dataset.

**Question 4 :** Why is Star Schema preferred over Snowflake Schema in Power BI?

## Practical Questions

**Question 5 :** Identify and remove duplicate records based on Date, Country, and State.

**Question 6 :** Identify and replace null values in Vaccination\_Status.

**Question 7 :** Create a new column to calculate Recovery Rate.

**Question 8 :** Create a summarized table showing total confirmed cases by Country.