**DATA TRANSFORMATION USING POWER QUERY**

**Description:**

The objective of this task is to execute the steps discussed below in the Power Query for the given datasets. You have been given two CSV files to work with:

bookings\_data.csv

rooms\_data.csv

1. bookings\_data: The bookings\_data file consists of several columns, such as date, property\_id, property\_name, hotel\_type, city\_code, room\_id,  successful\_bookings, and capacity. This file provides insights into the number of successful bookings made for a property on a given date and in a specific city, as well as the overall capacity of the property.

2. rooms\_data: The rooms\_data file consists of two columns, room\_id and room\_class. This file is useful in determining the room\_class associated with each room\_id in the bookings\_data file.

**Task**

1. Open a new Excel file and load the two provided CSV files using the "From Text/CSV" option. Then, open Power Query.

2. Change the data type of the "property\_id" column to "text".

3. Some values in the "property\_name" column are shown as "Atliq bay" instead of "Atliq Bay". Replace these values to show "Atliq Bay" instead.

4. Format the "property\_type" column by removing any unnecessary leading or trailing spaces using the TRIM() function.

5. The "city| city\_code" column includes both the city and city\_code separated by a '|' symbol. Split this column to separate these two entities and rename the resulting columns accordingly.

6. Create a new conditional column called "Availability Status". If "successful\_bookings" equals "capacity", set the value to "sold out"; otherwise, set it too "vacant".

7. Create a new custom column called "occ%", which represents the ratio of successful\_bookings to capacity. Change the data type to a percentage format.

8. Merge the two tables, "bookings\_data" and "rooms\_data", on the "room\_id" column to add the "room\_class" column to the "bookings\_data" table. Reorder the columns so that "room\_class" is next to "room\_id".

9. Extract the month\_name from the "date" column. You may use external resources or search engines such as Google to help you achieve this.