This practice exercise will take you one step closer to becoming a data analyst

The objective of this assignment 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|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.

To complete this assignment, please follow the steps below:

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 to "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.