# Problem Statement

Mentorness Internship Program

## Project Name: Predicting Restaurant Ratings

Develop a machine learning model to predict the aggregate rating of a restaurant based on various features related to the restaurant's characteristics and operations**.**

**Dataset Description:**

The dataset contains the following columns:

1. **Restaurant ID**: Unique identifier for each restaurant.
2. **Restaurant Name**: Name of the restaurant.
3. **Country Code**: Numeric code representing the country where the restaurant is located.
4. **City**: Name of the city where the restaurant is situated.
5. **Address**: Physical address of the restaurant.
6. **Locality**: Locality or neighborhood where the restaurant is located.
7. **Locality Verbose**: Detailed description of the locality.
8. **Longitude**: Geographical longitude of the restaurant's location.
9. **Latitude**: Geographical latitude of the restaurant's location.
10. **Cuisines**: Types of cuisines offered by the restaurant.
11. **Average Cost for Two**: Average cost for a meal for two people.
12. **Currency**: Currency used for transactions in the restaurant.
13. **Has Table Booking**: Indicator of whether the restaurant accepts table bookings.
14. **Has Online Delivery**: Indicator of whether the restaurant offers online delivery.
15. **Is Delivering Now**: Indicator of whether the restaurant is currently delivering.
16. **Switch to Order Menu**: Indicator of whether the restaurant has switched to an order menu.
17. **Price Range**: Price range category of the restaurant.
18. **Aggregate Rating**: Overall rating of the restaurant.
19. **Rating Color**: Color code representing the rating.
20. **Rating Text**: Text description of the rating.
21. **Votes**: Number of votes received by the restaurant.

## Deliverables:

- Source code file from any IDE with all the steps.
- PowerPoint presentation
- Video explaining the tasks you have performed along with insights you have gained for prediction of Restaurant Ratings.

  Good luck, and enjoy your journey into the world of data analysis!