50 + SQL Business Questions (PostgreSQL)

⭐ BASIC QUERIES

- Total number of orders
- Find total revenue
- Number of unique cities
- Orders by city
- Orders by state
- Orders by category
- Average rating overall
- Orders by restaurant
- Highest priced dishes
- Count weekend vs weekday orders
- Orders by hour
- Average price by categories
- Number of restaurants per city
- Orders by day of the week
- Top 15 dishes
- Average rating per city

⭐ MEDIUM LEVEL QUERIES

- Total Revenue by city
- Total revenue by restaurants
- Category popularity by city
- Rating trend by month
- Top rated restaurants
- Restaurants with poor ratings (<3)
- Weekend high demand categories
- Compare weekday vs weekend avg price
- Monthly revenue
- Most popular category per city
- Most expensive category
- Highest rated dishes
- Restaurants with high sales but low rating
- Rating count per restaurant
- Category share in each city
- Price elasticity indicator (high rating but low order)
- Top restaurants by repeat ordering hour
- Price segmentation by city (Quantiles)
- City growth pattern (year on year)
- Most demand dish per category in each city

⭐ ADVANCED QUERIES

- Price variation within each category
- Category rating variance
- Top restaurants per city by revenue
- Dish popularity by city
- Restaurant category specialization
- Category market shares overall
- Detect expensive dishes (above category avg)
- Rating outliers
- Revenue share by hour
- Emerging categories (MoM growth)

⭐ WINDOWS FUNCTION QUERIES

- Rank restaurants by revenue
- Rank restaurants inside each city
- Running total of revenue by month
- Percentile rating of dishes
- Moving average rating (7 rows)
- Top dish per category using Row_Number
- Revenue share per restaurant (windows sum)
- City wise cumulative orders
- Difference between each order price and city average
- Category popularity rank per city

⭐ CTE (Common Table Expression)

- Top 5 Cities by Revenue
  --Business Impact: Identify the most profitable markets.

- Top Category per City
  --Business Impact: Helps target city-wise menu promotions.

- Peak Ordering Hour
  --Business Impact: Helps optimize delivery partner allocation.

- Best-Selling Dish in Each Category
  --Business Impact: Helps create top-selling combos & recommendations.

- Monthly Revenue Trend
  --Business Impact: Tracks growth and helps forecast demand.

- Category Revenue Share
  --Business Impact: Reveals top categories contributing to GMV.

- Price vs Category Average
  --Business Impact: Identifies overpriced or underpriced dishes.

- Rating Trend for Each Restaurant
  --Business Impact: Detects declining quality early.

- Dish Popularity City-Wise
  --Business Impact: Helps personalize menu recommendations per city.

THE END