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| **Branch/Semester** | MSc. IT (Fintech) / II |
| **Subject Name:** | Database Management Using Sql |
| **Subject Code:** | 05MF0204 |
| **Assignment:** | Practical No. 1 (Advance Database Concept) |
| **Date:** | 10/04/2025 |
| **Faculty Name:** | Prof. Rishabh Singh |

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| **1.** | Design and develop a relational database schema for an online food delivery platform similar to Swiggy. Your schema should include tables for users, restaurants, menu items, orders, payments, and delivery agents.  **Ensure the following:**   1. Each table must include a primary key. 2. Appropriate foreign keys should be used to maintain referential integrity. 3. Include fields relevant to a real-world scenario such as user details, restaurant details, order items, and payment modes. 4. Clearly define the data types and constraints (e.g., NOT NULL, UNIQUE, CHECK, etc.). |
| **2.** | Consider the relational database schema designed for an online food delivery platform (e.g., Swiggy) that includes entities such as Users, Restaurants, MenuItems, Orders, OrderItems, and Payments.  **Perform the following tasks:**   1. **Insert appropriate sample data** into each table to simulate a real-world scenario. Add at least:    * 2 users    * 2 restaurants    * 4 menu items (2 per restaurant)    * 2 orders with respective order items    * Payment details for each order 2. **Write SQL queries** to retrieve the following meaningful information:   (a) List all orders placed by a specific user with item-wise details.  (b) Display total revenue generated by each restaurant.  (c) Find the top 3 highest-priced menu items across all restaurants.  (d) List all pending payments along with customer names and payment methods.  (e) Retrieve all items available from a specific restaurant. |