

```

create table users (
    user_id          int primary key,
    name             varchar(20),
    email            varchar(20) unique,
    phone_number     varchar(15),
    address          varchar(10),
    city             varchar(10),
    state            varchar(10),
    postal_code      varchar(10),
    registration_date timestamp default current_timestamp
);

create table restaurants (
    restaurant_id    int primary key,
    name             varchar(20),
    category         varchar(10),
    rating           decimal(3,2),
    address          varchar(10),
    city             varchar(10),
    state            varchar(10),
    postal_code      varchar(10),
    contact_number   varchar(15),
    opening_time     date,
    closing_time     date
);

create table menu_items (
    item_id          int primary key,
    restaurant_id    int,
    name             varchar(20),
    description       varchar(20),
    price            decimal(8,2),
    category         varchar(10), -- e.g., Appetizers, Main Course, Desserts
    foreign key ( restaurant_id )
        references restaurants ( restaurant_id )
);

create table orders (
    order_id         int primary key,
    user_id          int,
    restaurant_id    int,
    total_amount     decimal(8,2),
    order_date       timestamp default current_timestamp,
    status           varchar(20), -- e.g., Pending, In-Progress, Delivered,
Cancelled

```

```

    delivery_address varchar(10),
    payment_method   varchar(10), -- e.g., Online, COD (Cash on Delivery)
    foreign key ( user_id )
        references users ( user_id ),
    foreign key ( restaurant_id )
        references restaurants ( restaurant_id )
);

create table order_items (
    order_item_id int primary key,
    order_id      int,
    item_id       int,
    quantity      int,
    item_price    decimal(8,2),
    foreign key ( order_id )
        references orders ( order_id ),
    foreign key ( item_id )
        references menu_items ( item_id )
);

insert into users values ( 1,
    'Rahul Sharma',
    'rahul@gmail.com',
    '9876543210',
    'Andheri',
    'Mumbai',
    'MH',
    '400069',
    sysdate - 30 );

insert into users values ( 2,
    'Priya Gupta',
    'priya@gmail.com',
    '9876543211',
    'Sector 18',
    'Noida',
    'UP',
    '201301',
    sysdate - 28 );

insert into users values ( 3,
    'Amit Verma',
    'amit@gmail.com',
    '9876543212',
    '',
    'Bangalore',
    'KA',

```

```
        '560038',
        sysdate - 25 );
insert into users values ( 4,
        'Neha Singh',
        'neha@gmail.com',
        '9876543213',
        'Alambagh',
        'Lucknow',
        'UP',
        '226005',
        sysdate - 22 );
insert into users values ( 5,
        'Rohit Mehta',
        'rohit@gmail.com',
        '9876543214',
        'Salt Lake',
        'Kolkata',
        'WB',
        '700091',
        sysdate - 20 );
insert into users values ( 6,
        'Sneha Iyer',
        'sneha@gmail.com',
        '9876543215',
        'T Nagar',
        'Chennai',
        'TN',
        '600017',
        sysdate - 18 );
insert into users values ( 7,
        'Karan Malhotra',
        'karan@gmail.com',
        '9876543216',
        'Civil',
        'Delhi',
        'DL',
        '12054',
        sysdate - 15 );
insert into users values ( 8,
        'Anjali Rao',
        'anjali@gmail.com',
        '9876543217',
        'Banjara',
        'Hyderabad',
        'TS',
```

```
        '100034',
        sysdate - 12 );
insert into users values ( 9,
        'Vikas Jain',
        'vikas@gmail.com',
        '9876543218',
        'Vijay',
        'Indore',
        'MP',
        '452010',
        sysdate - 10 );
insert into users values ( 10,
        'Pooja Nair',
        'pooja@gmail.com',
        '9876543219',
        'Kakkanad',
        'Kochi',
        'KL',
        '682030',
        sysdate - 5 );

insert into restaurants values ( 1,
        'Spice Hub',
        'Indian',
        4.5,
        'MG Road',
        'Mumbai',
        'MH',
        '400001',
        '9876543210',
        to_date('09:00','HH24:MI'),
        to_date('23:00','HH24:MI') );

insert into restaurants values ( 2,
        'Pizza Town',
        'Italian',
        4.2,
        'Link Rd',
        'Delhi',
        'DL',
        '110001',
        '9123456780',
        to_date('10:00','HH24:MI'),
        to_date('22:30','HH24:MI') );
```

```
insert into restaurants values ( 3,  
                                'Burger Stop',  
                                'FastFood',  
                                4.0,  
                                'Park St',  
                                'Kolkata',  
                                'WB',  
                                '700016',  
                                '9988776655',  
                                to_date('11:00','HH24:MI'),  
                                to_date('23:59','HH24:MI') );
```

```
insert into restaurants values ( 4,  
                                'Green Bowl',  
                                'Vegan',  
                                4.7,  
                                'Sector 18',  
                                'Noida',  
                                'UP',  
                                '201301',  
                                '9090909090',  
                                to_date('08:00','HH24:MI'),  
                                to_date('21:00','HH24:MI') );
```

```
insert into restaurants values ( 5,  
                                'Royal Dine',  
                                'Multi',  
                                4.3,  
                                'Civil Ln',  
                                'Jaipur',  
                                'RJ',  
                                '302001',  
                                '8888888888',  
                                to_date('12:00','HH24:MI'),  
                                to_date('23:00','HH24:MI') );
```

```
commit;
```

```
insert into menu_items values ( 1,  
                                1,  
                                'Paneer Tikka',  
                                'Grilled paneer',  
                                250.00,  
                                'Starter' );
```

```
insert into menu_items values ( 2,
```

```
1,
    'Butter Naan',
    'Indian bread',
    50.00,
    'Main' );

insert into menu_items values ( 3,
    2,
    'Margherita',
    'Cheese pizza',
    350.00,
    'Main' );

insert into menu_items values ( 4,
    2,
    'Pasta',
    'White sauce',
    300.00,
    'Main' );

insert into menu_items values ( 5,
    3,
    'Cheese Burger',
    'Veg burger',
    180.00,
    'Main' );

insert into menu_items values ( 6,
    3,
    'French Fries',
    'Crispy fries',
    120.00,
    'Starter' );

insert into menu_items values ( 7,
    4,
    'Veg Salad',
    'Fresh veggies',
    200.00,
    'Starter' );

insert into menu_items values ( 8,
    5,
    'Biryani',
    'Chicken biryani',
    450.00,
    'Main' );
```

```
commit;

insert into orders (
    order_id,
    user_id,
    restaurant_id,
    total_amount,
    order_date,
    status,
    delivery_address,
    payment_method
) values ( 101,
    1,
    1,
    300.00,
    systimestamp,
    'Delivered',
    'MG Road',
    'Online' );

insert into orders values ( 102,
    2,
    2,
    650.00,
    systimestamp,
    'In-Progress',
    'Link Rd',
    'COD' );

insert into orders values ( 103,
    3,
    3,
    300.00,
    systimestamp,
    'Pending',
    'Park St',
    'Online' );

commit;

insert into order_items values ( 1,
    101,
    1,
    1,
    250.00 );
```

```
insert into order_items values ( 2,
                                101,
                                2,
                                1,
                                50.00 );

insert into order_items values ( 3,
                                102,
                                3,
                                1,
                                350.00 );

insert into order_items values ( 4,
                                102,
                                4,
                                1,
                                300.00 );

insert into order_items values ( 5,
                                103,
                                5,
                                1,
                                180.00 );

insert into order_items values ( 6,
                                103,
                                6,
                                1,
                                120.00 );

commit;

select *
  from users
 order by user_id;
select *
  from restaurants;
select *
  from menu_items;
select *
  from orders;
select *
  from order_items;

select o.order_id,
       u.name,
```

```
        r.name,  
        o.total_amount  
from orders o  
join users u  
on u.user_id = o.user_id  
join restaurants r  
on r.restaurant_id = o.restaurant_id;
```