

TABLE CREATION QUERIES

1. RESTAURANT TABLE

```
CREATE TABLE RESTAURANT (  
    RESTAURANT_ID NUMBER(5),  
    NAME VARCHAR(20),  
    PHONE NUMBER(10),  
    EMAIL VARCHAR(30),  
    CITY VARCHAR(20),  
    AREA VARCHAR(30),  
    RATING VARCHAR(10),  
    CREATED_DATE DATE),  
CONSTRAINT PK_RESTAURANT_ID PRIMARY KEY(RESTAURANT_ID));
```

2. CATEGORY TABLE

```
CREATE TABLE CATEGORY (  
    CATEGORY_ID NUMBER(5),  
    CATEGORY_NAME VARCHAR(30),  
    DESCRIPTION VARCHAR(80));
```

3. RESTAURANT_CATEGORY TABLE

```
CREATE TABLE RESTAURANT_CATEGORY (  
    RESTAURANT_ID NUMBER(5),  
    CATEGORY_ID NUMBER(5));
```

4. MENU TABLE

```
CREATE TABLE MENU (  
    MENU_ID NUMBER(5),  
    RESTAURANT_ID NUMBER(5),  
    MENU_NAME VARCHAR(30),  
    CREATED_DATE DATE,  
    CONSTRAINT PK_MENU_ID PRIMARY KEY(MENU_ID);
```

5. MENU_ITEM TABLE

```
CREATE TABLE MENU_ITEM (  
    ITEM_ID NUMBER(5),  
    MENU_ID NUMBER(5),  
    ITEM_NAME VARCHAR(30) NOT NULL,  
    PRICE NUMBER(10) CHECK(PRICE>0),  
    AVAILABLE_STATUS VARCHAR(5) DEFAULT('YES') CHECK(AVAILABLE_STATUS IN ('YES', 'NO')),  
    CONSTRAINT PK_ITEM_ID PRIMARY KEY(ITEM_ID),  
    CONSTRAINT FK_MENU_ID FOREIGN KEY(MENU_ID) REFERENCES MENU(MENU_ID));
```

6. CUSTOMER TABLE

```
CREATE TABLE CUSTOMER (  
    CUSTOMER_ID NUMBER(5), FULL_NAME VARCHAR(30) NOT NULL,  
    PHONE NUMBER(10) UNIQUE CHECK(LENGTH(PHONE)=10),  
    EMAIL VARCHAR(30) UNIQUE,  
    GENDER CHAR(1) CHECK(GENDER IN ('M', 'F', 'O')),  
    REGISTRATION_DATE DATE DEFAULT SYSDATE,  
    CONSTRAINT PK_CUSTOMER_ID PRIMARY KEY(CUSTOMER_ID));
```

7. ADDRESS TABLE

```
CREATE TABLE ADDRESS (  
    ADDRESS_ID NUMBER(5),  
    CUSTOMER_ID NUMBER(5),  
    HOUSE_NO VARCHAR(5),  
    STREET VARCHAR(20),  
    CITY VARCHAR(20),  
    PINCODE NUMBER(6),  
    ADDRESS_TYPE VARCHAR(10) CHECK(ADDRESS_TYPE IN ('HOME', 'OFFICE', 'OTHER')),  
    CONSTRAINT PK_ADDRESS_ID PRIMARY KEY(ADDRESS_ID),  
    CONSTRAINT FK_CUSTOMER_ID FOREIGN KEY(CUSTOMER_ID) REFERENCES CUSTOMER(CUSTOMER_ID));
```

8. DELIVERY_PERSON TABLE

```
CREATE TABLE DELIVERY_PERSON (  
    DELIVERY_ID NUMBER(5),  
    NAME VARCHAR(30) NOT NULL,  
    PHONE NUMBER(10) UNIQUE CHECK(LENGTH(PHONE)=10),  
    VEHICLE_NO VARCHAR(15),  
    STATUS CHAR(10) DEFAULT('AVAILABLE') CHECK(STATUS IN ('AVAILABLE', 'BUSY')),  
    CONSTRAINT PK_DELIVERY_ID PRIMARY KEY(DELIVERY_ID));
```

9. ORDERS TABLE

```
CREATE TABLE ORDERS (  
    ORDER_ID NUMBER(5),  
    CUSTOMER_ID NUMBER(5),  
    RESTAURANT_ID NUMBER(5),  
    DELIVERY_ID NUMBER(5),  
    ORDER_DATE DATE DEFAULT SYSDATE,  
    TOTAL_AMOUNT NUMBER(10) CHECK(TOTAL_AMOUNT>=0),  
    ORDER_STATUS VARCHAR(15) DEFAULT('PLACED') CHECK (ORDER_STATUS IN ('PLACED', 'ONWAY', 'DELIVERED',  
    'CANCELLED')),  
    CONSTRAINT PK_ORDER_ID PRIMARY KEY(ORDER_ID),  
    CONSTRAINT FK_ORDERS_CUSTOMER_ID FOREIGN KEY(CUSTOMER_ID) REFERENCES  
    CUSTOMER(CUSTOMER_ID),  
    CONSTRAINT FK_ORDERS_RESTAURANT_ID FOREIGN KEY(RESTAURANT_ID) REFERENCES  
    RESTAURANT(RESTAURANT_ID));
```

10. ORDER_ITEM TABLE

```
CREATE TABLE ORDER_ITEM (  
    ORDER_ID NUMBER(5),  
    ITEM_ID NUMBER(5),  
    QUANTITY NUMBER(10) CHECK(QUANTITY>0),  
    PRICE NUMBER(10) CHECK(PRICE>0),  
    CONSTRAINT FK_ORDER_ITEM_ORDER_ID FOREIGN KEY(ORDER_ID) REFERENCES ORDERS(ORDER_ID),  
    CONSTRAINT FK_ORDER_ITEM_ITEM_ID FOREIGN KEY(ITEM_ID) REFERENCES MENU_ITEM(ITEM_ID),
```

```
CONSTRAINT COMPOSIT_PK_ORDER_ITEM_ID PRIMARY KEY(ORDER_ID, ITEM_ID));
```

11. PAYMENT TABLE

```
CREATE TABLE PAYMENT (  
    PAYMENT_ID NUMBER(5),  
    ORDER_ID NUMBER(5),  
    PAYMENT_MODE VARCHAR(5) CHECK(PAYMENT_MODE IN ('CARD', 'CASH', 'UPI')),  
    PAYMENT_DATE DATE DEFAULT SYSDATE,  
    AMOUNT NUMBER(10) CHECK(AMOUNT>0),  
    PAYMENT_STATUS VARCHAR(10) DEFAULT('PENDING') CHECK(PAYMENT_STATUS IN ('SUCCESS', 'FAILED',  
    'PENDING')),  
    CONSTRAINT PK_PAYMENT_ID PRIMARY KEY(PAYMENT_ID),  
    CONSTRAINT FK_PAYMENT_ORDER_ID FOREIGN KEY(ORDER_ID) REFERENCES ORDERS(ORDER_ID));
```

12. REVIEW TABLE

```
CREATE TABLE REVIEW (  
    REVIEW_ID NUMBER(5),  
    CUSTOMER_ID NUMBER(5),  
    RESTAURANT_ID NUMBER(5),  
    RATING NUMBER(1) CHECK(RATING BETWEEN 1 AND 5),  
    COMMENTS VARCHAR(50),  
    REVIEW_DATE DATE DEFAULT SYSDATE,  
    CONSTRAINT PK_REVIEW_ID PRIMARY KEY(REVIEW_ID),  
    CONSTRAINT FK_REVIEW_CUSTOMER_ID FOREIGN KEY(CUSTOMER_ID) REFERENCES  
    CUSTOMER(CUSTOMER_ID),  
    CONSTRAINT FK_REVIEW_RESTAURANT_ID FOREIGN KEY(RESTAURANT_ID) REFERENCES  
    RESTAURANT(RESTAURANT_ID));
```