

## 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);
```