

# DBMS PROJECT TABLE CREATION TOPIC

## BANK MANAGNMENT SYSTEM

### TABLE CUSTOMER :

```
create table customer( account_no int primary key,Name char(20),phone_no  
int,Email_id varchar(10),DOB date,address varchar(10),user_id varchar(25)  
unique);
```

### TABLE ACCOUNT :

```
CREATE TABLE account(  
account_no INT,  
Saving_account VARCHAR(5),  
Current_account VARCHAR(5),  
Balance INT,  
PRIMARY KEY (account_no),  
FOREIGN KEY (account_no) REFERENCES customer(account_no));
```

### TABLE BRANCH :

```
CREATE TABLE branch (  
account_no INT,  
branch_city CHAR(20),  
IFSC_code VARCHAR(10),  
assests VARCHAR(15),  
PRIMARY KEY (account_no), -- Assuming account_no is the primary key in the  
customer table  
FOREIGN KEY (account_no) REFERENCES customer(account_no)  
);
```

### TABLE PAYMENT :

```
CREATE TABLE Payment (  
Reference_no int PRIMARY KEY,  
Payment_amount DECIMAL(10, 2) NOT NULL,  
Mode_of_payment VARCHAR(50) NOT NULL,  
Transaction_id VARCHAR(50) NOT NULL UNIQUE,  
Account_no int,  
Date_of_purchase DATE NOT NULL,  
FOREIGN KEY (Account_no) REFERENCES Account(Account_no)  
);
```

#### TABLE TRANSACTIONS :

```
CREATE TABLE Transactions (  
TransactionID int PRIMARY KEY,  
Account_no int NOT NULL,  
TransactionType VARCHAR(50) NOT NULL,  
Amount DECIMAL(10, 2) NOT NULL,  
TransactionDate DATE NOT NULL,  
FOREIGN KEY (Account_no) REFERENCES Account(Account_no)  
);
```

#### TABLE MERCHANT :

```
create table merchant(  
merchant_id varchar(12) primary key,  
user_id varchar(10) unique,  
transaction_id varchar(15) unique,  
phone_no int(10),  
datetime date,
```

```
modepayment varchar(20),  
amount decimal(16,2),  
FOREIGN KEY (user_id) REFERENCES Customer(user_id),  
FOREIGN KEY (transaction_id) REFERENCES payment(transaction_id));
```

### TABLE INSURANCE :

```
CREATE TABLE Insurance (  
insurance_id INT PRIMARY KEY AUTO_INCREMENT,  
customer_id INT NOT NULL,  
insurance_type VARCHAR(255) NOT NULL,  
policy_number VARCHAR(255) NOT NULL,  
start_date DATE,  
end_date DATE,  
premium_amount DECIMAL(10,2),  
coverage_details varchar(20),  
FOREIGN KEY (customer_id) REFERENCES customer(account_no)  
);
```

### TABLE BANKTOBANK :

```
create table banktobank(  
bank_name varchar(255),  
branch varchar(255),  
amount decimal(15,2),  
transaction_date timestamp,  
account_no int,  
FOREIGN KEY (account_no) REFERENCES account(account_no));
```

### TABLE CREDITCARD :

```
CREATE TABLE CreditCard (  
card_id INT PRIMARY KEY,  
customer_id INT NOT NULL,  
card_number VARCHAR(16) NOT NULL,  
expiration_date DATE NOT NULL  
card_holder_name VARCHAR(255) NOT NULL,  
billing_address varchar(20)  
FOREIGN KEY (customer_id) REFERENCES customer(account_no)  
);
```

### TABLE DEBITCARD :

```
CREATE TABLE DebitCard (  
customer_id INT primary key,  
card_number VARCHAR(16) NOT NULL,  
expiration_date DATE NOT NULL,  
card_holder_name VARCHAR(255) NOT NULL,  
amount decimal(18,2),  
FOREIGN KEY (customer_id) REFERENCES customer(account_no)  
);
```

### TABLE ATM\_CARD :

```
CREATE TABLE ATM_CARD (  
Account_no int PRIMARY KEY,  
AmountWithdrawal DECIMAL(16, 2) NOT NULL,  
Date_t DATE ,
```

```
TransactionID int UNIQUE NOT NULL,  
FOREIGN KEY (TransactionID) REFERENCES Transactions(TransactionID)  
);
```

#### TABLE LOAN1 :

```
CREATE TABLE loan(  
account_no int,  
loan_type int,  
loan_no varchar(20),  
amount int,  
interest int,  
PRIMARY KEY (account_no),  
FOREIGN KEY (account_no) REFERENCES customer(account_no));
```

#### TABLE BANK SECURITY :

```
CREATE TABLE BankSecurity (  
SecurityID int PRIMARY KEY,  
user_id varchar(15) UNIQUE NOT NULL,  
Username VARCHAR(50) NOT NULL,  
Password VARCHAR(255) NOT NULL,  
LastLoginTimestamp TIMESTAMP NOT NULL,  
PasswordResetToken VARCHAR(255),  
AccountLockStatus VARCHAR(50) NOT NULL,  
FOREIGN KEY (user_id) REFERENCES Customer1(user_id)  
);
```

#### TABLE MobileBankingApps :

```
CREATE TABLE MobileBankingApps (  
AppID int PRIMARY KEY,  
AppName VARCHAR(50) NOT NULL,  
MobilePayments char(2) NOT NULL,  
BiometricLogin char(2) NOT NULL,  
QRCodeTransactions char(2) NOT NULL,  
CustomerID varchar(15) unique,  
FOREIGN KEY (CustomerID) REFERENCES Customer(user_id)  
);
```

#### **TABLE GOVERNMENT SERVICES :**

```
CREATE TABLE GovernmentServices (  
ServiceID int PRIMARY KEY,  
ServiceName VARCHAR(50) NOT NULL,  
ServiceDescription VARCHAR(255) NOT NULL,  
CustomerID varchar(15) unique,  
FOREIGN KEY (CustomerID) REFERENCES Customer(user_id)  
);
```