Table Creation:

```
CREATE TABLE Customers(

    CustomerId NUMBER PRIMARY KEY,

    Name VARCHAR2(100),

    DOB DATE,

    Balance NUMBER,

    LastModified DATE

);
CREATE TABLE Accounts(

    AccountId NUMBER PRIMARY KEY,

    CustomerId NUMBER,

    AccountType VARCHAR(20),

    Balance NUMBER,

    LastModified DATE,

    FOREIGN KEY (CustomerId) References Customers(CustomerID)

);
CREATE TABLE Transactions(

    TransactionId NUMBER PRIMARY KEY,

    AccountId NUMBER,

    TransactionDate DATE,

    Amount NUMBER,

    TransactionType VARCHAR2(10),

    FOREIGN KEY(AccountId) REFERENCES Accounts(AccountId)

);
CREATE TABLE Loans(

    LoanId NUMBER PRIMARY KEY,

    CustomerId NUMBER,

    LoanAmount NUMBER,

    IntrestRate NUMBER,

    StartDate DATE,

     EndDate DATE,

    FOREIGN KEY(CustomerId) REFERENCES Customers(CustomerId)

);
```

```
CREATE TABLE Employees(

    EMployeeId NUMBER PRIMARY KEY,

    Name VARCHAR2(100),

    Position VARCHAR2(50),

    Salary NUMBER,

    Department VARCHAR2(50),

    HireDate DATE

);
```

OUTPUT :

INSERTING DATA INTO TABLES

INSERTING INTO CUSTOMERS TABLE

INSERT INTO CUSTOMERS(CUSTOMERID,Name,DOB,Balance,LastModified) VALUES

(1, 'John Doe', TO_DATE('1985-05-15', 'YYYY-MM-DD'), 1000, SYSDATE),

(2, 'Jane Smith', TO_DATE('1990-07-20', 'YYYY-MM-DD'), 1500, SYSDATE);

INSERT INTO CUSTOMERS(CUSTOMERID,Name,DOB,Balance,LastModified) VALUES

(3,'Chaitanya Pyla',TO_DATE('1947-07-15', 'YYYY-MM-DD'), 150000, SYSDATE),

(4, 'Virat Kohli', TO_DATE('1918-08-18', 'YYYY-MM-DD'), 181818, SYSDATE),

(5,'MS Dhoni',TO_DATE('1907-07-07', 'YYYY-MM-DD'), 777777, SYSDATE);

INSERTING INTO ACCOUNTS TABLE

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES

(1, 1, 'Savings', 1000, SYSDATE),

(2, 2, 'Checking', 1500, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES

(3,3,'Chaitanya Pyla',150000,SYSDATE),

(4,4,'Virat Kohli',181818,SYSDATE),

(5,5,'MS Dhoni',777777,SYSDATE);

INSERT INTO TRANSACTIONS TABLE

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES

(1, 1, SYSDATE, 200, 'Deposit'),

(2, 2, SYSDATE, 300, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES

(4,4,SYSDATE,300,'Deposit'),

(3,3,SYSDATE,1500,'Deposit');

INSERTING INTO LOANS TABLE

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, IntrestRate, StartDate, EndDate)

VALUES (1, 1, 5000, 5, SYSDATE, ADD_MONTHS(SYSDATE, 60));

-- Loans for senior customers

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, IntrestRate, StartDate, EndDate) VALUES

(2, 3, 100000, 6.5, SYSDATE, ADD_MONTHS(SYSDATE, 24)),

(3, 4, 200000, 7.0, SYSDATE, ADD_MONTHS(SYSDATE, 36)),

(4, 5, 300000, 8.0, SYSDATE, ADD_MONTHS(SYSDATE, 48));

INSERTING INTO EMPLOYEES TABLE

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES

(1, 'Alice Johnson', 'Manager', 70000, 'HR', TO_DATE('2015-06-15', 'YYYY-MM-DD')),

(2, 'Bob Brown', 'Developer', 60000, 'IT', TO_DATE('2017-03-20', 'YYYY-MM-DD'));

/*

    As the given data do not meet certain conditions. So, In addition to the given data i also used dummy data

*/

Procedural Language/Structured Query Language

Screenshot 1

```
44        Department VARCHAR2(50),
45        HireDate DATE
46   );
47
48   -- INSERTING DATA INTO TABLES
49
50   -- INSERTING INTO CUSTOMERS TABLE
51
52   INSERT INTO CUSTOMERS(CUSTOMERID,Name,DOB,Balance,LastModified) VALUES
53   (1, 'John Doe', TO_DATE('1985-05-15', 'YYYY-MM-DD'), 1000, SYSDATE),
54   (2, 'Jane Smith', TO_DATE('1990-07-20', 'YYYY-MM-DD'), 1500, SYSDATE);
55
56   -- ISERTING INTO ACCOUNTS TABLE
57
58   INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES
59   (1, 1, 'Savings', 1000, SYSDATE),
60   (2, 2, 'Checking', 1500, SYSDATE);
61
```

Query result   Script output   More

```
SQL> INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified)
        (1, 1, 'Savings', 1000, SYSDATE),
        (2, 2, 'Checking', 1500, SYSDATE)

ORA-00928: SELECT keyword missing

https://docs.oracle.com/error-help/db/ora-00928/
Error at Line: 4 Column: 0

SQL> INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES
        (1, 1, 'Savings', 1000, SYSDATE),
        (2, 2, 'Checking', 1500, SYSDATE)


2 rows inserted.

Elapsed: 00:00:00.020
```

Screenshot 2

Navigator   Files

```
59   (1, 1, 'Savings', 1000, SYSDATE),
60   (2, 2, 'Checking', 1500, SYSDATE);
61
62   -- INSERT INTO TRANSACTIONS TABLE
63
64   INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES
65   (1, 1, SYSDATE, 200, 'Deposit'),
66   (2, 2, SYSDATE, 300, 'Withdrawal');
67
68   -- INSERTING INTO LOANS TABLE
69
70   INSERT INTO Loans (LoanID, CustomerID, LoanAmount, IntrestRate, StartDate, EndDate)
71   VALUES (1, 1, 5000, 5, SYSDATE, ADD_MONTHS(SYSDATE, 60));
72
73   -- INSERTING INTO EMPLOYEES TABLE
74
75   INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES
76   (1, 'Alice Johnson', 'Manager', 70000, 'HR', TO_DATE('2015-06-15', 'YYYY-MM-DD')),
77   (2, 'Bob Brown', 'Developer', 60000, 'IT', TO_DATE('2017-03-20', 'YYYY-MM-DD'));
78
```

Query result   Script output   DBMS output   Explain Plan   SQL history

```
https://docs.oracle.com/error-help/db/ora-00928/
Error at Line: 4 Column: 0

SQL> INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES
        (1, 1, 'Savings', 1000, SYSDATE),
        (2, 2, 'Checking', 1500, SYSDATE)


2 rows inserted.

Elapsed: 00:00:00.020

SQL> INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES
        (1, 1, SYSDATE, 200, 'Deposit'),
        (2, 2, SYSDATE, 300, 'Withdrawal')


2 rows inserted.

Elapsed: 00:00:00.017
```

Screenshot 3

Navigator   Files

```
59   (1, 1, 'Savings', 1000, SYSDATE),
60   (2, 2, 'Checking', 1500, SYSDATE);
61
62   -- INSERT INTO TRANSACTIONS TABLE
63
64   INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES
65   (1, 1, SYSDATE, 200, 'Deposit'),
66   (2, 2, SYSDATE, 300, 'Withdrawal');
67
68   -- INSERTING INTO LOANS TABLE
69
70   INSERT INTO Loans (LoanID, CustomerID, LoanAmount, IntrestRate, StartDate, EndDate)
71   VALUES (1, 1, 5000, 5, SYSDATE, ADD_MONTHS(SYSDATE, 60));
72
73   -- INSERTING INTO EMPLOYEES TABLE
74
75   INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES
76   (1, 'Alice Johnson', 'Manager', 70000, 'HR', TO_DATE('2015-06-15', 'YYYY-MM-DD')),
77   (2, 'Bob Brown', 'Developer', 60000, 'IT', TO_DATE('2017-03-20', 'YYYY-MM-DD'));
78
```

Query result   Script output   DBMS output   Explain Plan   SQL history

```
ORA-00904: "INTRESTRATE": invalid identifier

https://docs.oracle.com/error-help/db/ora-00904/
Error at Line: 4 Column: 0

SQL> INSERT INTO Loans (LoanID, CustomerID, LoanAmount, IntrestRate, StartDate, EndDate)
        VALUES (1, 1, 5000, 5, SYSDATE, ADD_MONTHS(SYSDATE, 60))


1 row inserted.

Elapsed: 00:00:00.015

SQL> INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES
        (1, 'Alice Johnson', 'Manager', 70000, 'HR', TO_DATE('2015-06-15', 'YYYY-MM-DD')),
        (2, 'Bob Brown', 'Developer', 60000, 'IT', TO_DATE('2017-03-20', 'YYYY-MM-DD'))


2 rows inserted.

Elapsed: 00:00:00.019
```