

```
SQL> CREATE OR REPLACE TRIGGER UpdateCustomerLastModified
2 BEFORE UPDATE ON Customers
3 FOR EACH ROW
4 BEGIN
5     :NEW.LastModified := SYSDATE;
6 END UpdateCustomerLastModified;
7 /
```

Trigger created.

```
SQL> CREATE TABLE AuditLog (
2     AuditID NUMBER PRIMARY KEY,
3     TransactionID NUMBER,
4     AccountID NUMBER,
5     TransactionDate DATE,
6     Amount NUMBER,
7     TransactionType VARCHAR2(10),
8     LogDate DATE
9 );
```

Table created.

```
SQL> CREATE SEQUENCE SEQ_AUDITLOG_ID START WITH 1 INCREMENT BY 1;
```

Sequence created.

```
SQL> CREATE OR REPLACE TRIGGER LogTransaction
2 AFTER INSERT ON Transactions
3 FOR EACH ROW
4 BEGIN
5     INSERT INTO AuditLog (AuditID, TransactionID, AccountID, TransactionDate, Amount, Transacti
onType, LogDate)
6     VALUES (
7         SEQ_AUDITLOG_ID.NEXTVAL, -- Assuming a sequence exists for generating unique AuditID
8         :NEW.TransactionID,
9         :NEW.AccountID,
10        :NEW.TransactionDate,
11        :NEW.Amount,
12        :NEW.TransactionType,
13        SYSDATE
14    );
15 END LogTransaction;
16 /
```

Trigger created.

```
SQL> CREATE OR REPLACE TRIGGER CheckTransactionRules
2 BEFORE INSERT ON Transactions
3 FOR EACH ROW
4 DECLARE
5     v_balance NUMBER;
6 BEGIN
7     -- Retrieve the current balance of the account
8     SELECT Balance INTO v_balance FROM Accounts
9     WHERE AccountID = :NEW.AccountID FOR UPDATE;
10
11    -- Check for withdrawal and deposit conditions
12    IF :NEW.TransactionType = 'Withdrawal' THEN
13        IF :NEW.Amount > v_balance THEN
14            RAISE_APPLICATION_ERROR(-20002, 'Withdrawal amount exceeds current balance.');
```

Trigger created.