Solution

Scenario: 1

```
CREATE OR REPLACE TRIGGER UpdateCustomerLastModified
   BEFORE UPDATE ON Customers
  FOR EACH ROW
   BEGIN
      :NEW.LastModified := SYSDATE;
  END;
   /
```

Scenario: 2

```
CREATE TABLE AuditLog (
      LogID NUMBER GENERATED BY DEFAULT AS IDENTITY,
       TransactionID NUMBER,
       ActionType VARCHAR2(50),
       ActionDate TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
       Details VARCHAR2(4000)
    );

CREATE OR REPLACE TRIGGER LogTransaction
    AFTER INSERT ON Transactions
    FOR EACH ROW
    BEGIN
    INSERT INTO AuditLog (TransactionID, ActionType, Details)
  VALUES (:NEW.TransactionID, 'INSERT', 'New transaction inserted
with ID: ' || :NEW.TransactionID);
    END;
    /
```

Scenario: 3

```
CREATE OR REPLACE TRIGGER CheckTransactionRules
BEFORE INSERT ON Transactions
FOR EACH ROW
BEGIN
  IF :NEW.transactiontype = 'WITHDRAWAL' THEN
    SELECT balance
    INTO :new.balance
    FROM accounts
    WHERE accountid = :NEW.accountid;
    IF :new.amount > :new.balance THEN
      RAISE_APPLICATION_ERROR(-20001, 'Insufficient funds');
```

```
      END IF;
  ELSIF :NEW.transactiontype = 'DEPOSIT' THEN
    IF :NEW.amount <= 0 THEN
      RAISE_APPLICATION_ERROR(-20002, 'Deposit amount must be
positive');
    END IF;
  END IF;
END;
/
```