**Scenario 2: Maintain Audit Log for Transactions**

**Tables Used**

* **Transactions** (main table)
* **AuditLog** (log table)

**Initial Input Data**

**Transactions Table:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TransactionID** | **AccountID** | **Amount** | **Type** | **TxnDate** |
| *(empty)* |  |  |  |  |

AuditLog Table:

|  |  |  |  |
| --- | --- | --- | --- |
| **LogID** | **TransactionID** | **LogMessage** | **LogTime** |
| *(empty)* |  |  |  |

Operation Performed:-

INSERT INTO Transactions(AccountID, Amount, Type)

VALUES (101, 500, 'Deposit');

Output:-

Transactions Table After Insert:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TransactionID** | **AccountID** | **Amount** | **Type** | **TxnDate** |
| 1 | 101 | 500 | Deposit | 31-JUL-25 |

AuditLog Table After Trigger Fires:

|  |  |  |  |
| --- | --- | --- | --- |
| **LogID** | **TransactionID** | **LogMessage** | **LogTime** |
| 1 | 1 | Transaction of 500 for Account 101 | 31-JUL-25 |