

```
-- History table for CUSTOMERS

CREATE TABLE customers_history (

    ID NUMBER(22),

    FULL_NAME VARCHAR2(100),

    USERNAME VARCHAR2(50),

    EMAIL VARCHAR2(100),

    CONTACT VARCHAR2(15),

    PASSWORD VARCHAR2(255),

    DELETED_AT TIMESTAMP,

    PRIMARY KEY (ID, DELETED_AT)

);
```

```
-- History table for SUPPLIERS

CREATE TABLE suppliers_history (

    ID NUMBER(22),

    SUPPLIER_NAME VARCHAR2(100),

    CONTACT_NUMBER VARCHAR2(15),

    EMAIL VARCHAR2(100),

    ADDRESS VARCHAR2(255),

    DELETED_AT TIMESTAMP,

    PRIMARY KEY (ID, DELETED_AT)

);
```

```
-- History table for PRODUCTS

CREATE TABLE products_history (

    ID NUMBER(22),

    PRODUCT_NAME VARCHAR2(100),

    CATEGORY VARCHAR2(50),
```

```
PRICE NUMBER(22),  
STOCK_QUANTITY NUMBER(22),  
SUPPLIER_ID NUMBER(22),  
CREATED_AT TIMESTAMP(6),  
PRODUCT_IMAGE VARCHAR2(100),  
DELETED_AT TIMESTAMP,  
PRIMARY KEY (ID, DELETED_AT)  
);
```

-- History table for ORDERS

```
CREATE TABLE orders_history (  
    ORDER_ID NUMBER(22),  
    CUSTOMER_ID NUMBER(22),  
    TOTAL_AMOUNT NUMBER(22),  
    ORDER_DATE DATE,  
    STATUS VARCHAR2(50),  
    DELIVERY_ADDRESS VARCHAR2(255),  
    DELETED_AT TIMESTAMP,  
    PRIMARY KEY (ORDER_ID, DELETED_AT)  
);
```

-- History table for ORDER_ITEMS

```
CREATE TABLE order_items_history (  
    ORDER_ITEM_ID NUMBER(22),  
    ORDER_ID NUMBER(22),  
    PRODUCT_ID NUMBER(22),  
    QUANTITY NUMBER(22),  
    DELETED_AT TIMESTAMP,
```

```
PRIMARY KEY (ORDER_ITEM_ID, DELETED_AT)
);
```

-- History table for DELIVERY

```
CREATE TABLE delivery_history (
    DELIVERY_ID NUMBER(22),
    ORDER_ID NUMBER(22),
    DELIVERY_DATE DATE,
    SHIPPING_DATE DATE,
    DELETED_AT TIMESTAMP,
    PRIMARY KEY (DELIVERY_ID, DELETED_AT)
);
```

-- History table for PAYMENTS

```
CREATE TABLE payments_history (
    PAYMENT_ID NUMBER(22),
    ORDER_ID NUMBER(22),
    AMOUNT NUMBER(22),
    PAYMENT_DATE DATE,
    DELETED_AT TIMESTAMP,
    PRIMARY KEY (PAYMENT_ID, DELETED_AT)
);
```

```
-- Trigger for CUSTOMERS table

CREATE OR REPLACE TRIGGER trg_customers_delete
BEFORE DELETE ON customers
FOR EACH ROW
BEGIN
    INSERT INTO customers_history (
        ID,
        FULL_NAME,
        USERNAME,
        EMAIL,
        CONTACT,
        PASSWORD,
        DELETED_AT
    )
VALUES (
    :OLD.ID,
```

```

        :OLD.FULL_NAME,
        :OLD.USERNAME,
        :OLD.EMAIL,
        :OLD.CONTACT,
        :OLD.PASSWORD,
        SYSDATE -- Saving the deletion date
    );
END;
/

-- Trigger for SUPPLIERS table
CREATE OR REPLACE TRIGGER trg_suppliers_delete
BEFORE DELETE ON suppliers
FOR EACH ROW
BEGIN
    INSERT INTO suppliers_history (
        ID,
        SUPPLIER_NAME,
        CONTACT_NUMBER,
        EMAIL,
        ADDRESS,
        DELETED_AT
    )
    VALUES (
        :OLD.ID,
        :OLD.SUPPLIER_NAME,
        :OLD.CONTACT_NUMBER,
        :OLD.EMAIL,

```

```

        :OLD.ADDRESS,

        SYSDATE -- Saving the deletion date

    );

END;

/

-- Trigger for PRODUCTS table

CREATE OR REPLACE TRIGGER trg_products_delete
BEFORE DELETE ON products
FOR EACH ROW
BEGIN
    INSERT INTO products_history (
        ID,
        PRODUCT_NAME,
        CATEGORY,
        PRICE,
        STOCK_QUANTITY,
        SUPPLIER_ID,
        CREATED_AT,
        PRODUCT_IMAGE,
        DELETED_AT
    )
    VALUES (
        :OLD.ID,
        :OLD.PRODUCT_NAME,
        :OLD.CATEGORY,
        :OLD.PRICE,
        :OLD.STOCK_QUANTITY,

```

```
:OLD.SUPPLIER_ID,  
:OLD.CREATED_AT,  
:OLD.PRODUCT_IMAGE,  
SYSDATE -- Saving the deletion date  
);  
END;  
/  
  
-- Trigger for ORDERS table  
CREATE OR REPLACE TRIGGER trg_orders_delete  
BEFORE DELETE ON orders  
FOR EACH ROW  
BEGIN  
    INSERT INTO orders_history (  
        ORDER_ID,  
        CUSTOMER_ID,  
        TOTAL_AMOUNT,  
        ORDER_DATE,  
        STATUS,  
        DELIVERY_ADDRESS,  
        DELETED_AT  
    )  
    VALUES (  
        :OLD.ORDER_ID,  
        :OLD.CUSTOMER_ID,  
        :OLD.TOTAL_AMOUNT,  
        :OLD.ORDER_DATE,  
        :OLD.STATUS,
```

```
        :OLD.DELIVERY_ADDRESS,  
        SYSDATE -- Saving the deletion date  
    );  
END;  
/
```

-- Trigger for ORDER_ITEMS table

```
CREATE OR REPLACE TRIGGER trg_order_items_delete  
BEFORE DELETE ON order_items  
FOR EACH ROW  
BEGIN  
    INSERT INTO order_items_history (  
        ORDER_ITEM_ID,  
        ORDER_ID,  
        PRODUCT_ID,  
        QUANTITY,  
        DELETED_AT  
    )  
    VALUES (  
        :OLD.ORDER_ITEM_ID,  
        :OLD.ORDER_ID,  
        :OLD.PRODUCT_ID,  
        :OLD.QUANTITY,  
        SYSDATE -- Saving the deletion date  
    );  
END;  
/
```



```
-- Trigger for DELIVERY table

CREATE OR REPLACE TRIGGER trg_delivery_delete
BEFORE DELETE ON delivery
FOR EACH ROW
BEGIN
    INSERT INTO delivery_history (
        DELIVERY_ID,
        ORDER_ID,
        DELIVERY_DATE,
        SHIPPING_DATE,
        DELETED_AT
    )
    VALUES (
        :OLD.DELIVERY_ID,
        :OLD.ORDER_ID,
        :OLD.DELIVERY_DATE,
        :OLD.SHIPPING_DATE,
        SYSDATE -- Saving the deletion date
    );
END;

/
```

```
-- Trigger for PAYMENTS table

CREATE OR REPLACE TRIGGER trg_payments_delete
BEFORE DELETE ON payments
FOR EACH ROW
BEGIN
    INSERT INTO payments_history (
```

```
PAYMENT_ID,  
ORDER_ID,  
AMOUNT,  
PAYMENT_DATE,  
DELETED_AT  
)  
VALUES (  
    :OLD.PAYMENT_ID,  
    :OLD.ORDER_ID,  
    :OLD.AMOUNT,  
    :OLD.PAYMENT_DATE,  
    SYSDATE -- Saving the deletion date  
);  
END;  
/
```