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## **AFTER DELETE Trigger**

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An AFTER DELETE Trigger means that Oracle will fire this trigger after the DELETE operation is executed.

The syntax for an AFTER DELETE Trigger is:

```
CREATE or REPLACE TRIGGER trigger_name
AFTER DELETE
  ON table_name
  [ FOR EACH ROW ]
DECLARE
  -- variable declarations
BEGIN
  -- trigger code
EXCEPTION
  WHEN ...
  -- exception handling
END;
```

*trigger\_name* is the name of the trigger to create.

### **Restrictions:**

- You can not create an AFTER trigger on a view.
- You can not update the :NEW values.
- You can not update the :OLD values.

### **For example:**

If you had a table created as follows:

```
CREATE TABLE orders
( order_id      number(5),
  quantity      number(4),
  cost_per_item number(6,2),
  total_cost    number(8,2)
);
```

We could then create an DELETE UPDATE trigger as follows:

```
CREATE OR REPLACE TRIGGER orders_after_delete
AFTER DELETE
  ON orders
  FOR EACH ROW

DECLARE
  v_username varchar2(10);

BEGIN

  -- Find username of person performing the DELETE on the table
  SELECT user INTO v_username
  FROM dual;

  -- Insert record into audit table
  INSERT INTO orders_audit
  ( order_id,
    quantity,
    cost_per_item,
    total_cost,
    delete_date,
    deleted_by)
  VALUES
  ( :old.order_id,
    :old.quantity,
    :old.cost_per_item,
    :old.total_cost,
    sysdate,
    v_username );

END;
```