

These 2 example triggers use 2 tables:

```
CREATE table test1(
  COL1          VARCHAR2(32),
  COL2          NUMBER(12)
);

CREATE table test2(
  COL1          VARCHAR2(64),
  COL2          NUMBER(20)
);

CREATE table test3(
  COL1          NUMBER(20) not null  constraint pk_itest3 primary key,
  COL2          NUMBER(20),
  COL3          VARCHAR2(100)
);
insert into test3 values(0,1,'hello~1');
insert into test3 values(1,2,'hello~12');
insert into test3 values(2,2,'hello~123');
```

Here are some triggers for your reference...

- Example1 copy a record to test2 after insert into test1:

```
CREATE TRIGGER trig1
  AFTER INSERT ON test1
  FOR EACH ROW
  BEGIN
    INSERT INTO test2 VALUES (:new.col1, :new.col2);
  END trig1;
.
run;
```

- Example2: monitor column:COL1 in test1 after it is updated and COL2 > 100, copy it value to test2.COL1

```
CREATE TRIGGER trig2
  AFTER update of col1 on test1
  FOR EACH ROW
  BEGIN
    if (:new.col2 > 100) THEN
      update test2 set test2.col1=:new.col1 where test2.col2=:new.col2;
    END IF;
  END trig2;
.
run;
```

- Example 3: insert into test2 after test1 was inserted a record and if col2 of new record < 10. The col2 of test2 will be the same of test1 and the col1 of test2 will be always BIG. You can see that in this case, new record with col2 >= 10 will not insert anything to test2.

```
CREATE TRIGGER trig3
  AFTER INSERT ON test1
  FOR EACH ROW
  BEGIN
    IF (:new.col2 < 10) THEN
      INSERT INTO test2 VALUES ('BIG', :new.col2);
    END IF ;
  END trig3;
```

.
run;

- How to run example trigger in lxplus:
 - ◆ Enable oracle setup in \$HOME/.tcshrc or \$HOME/.bashrc
 - ◆ Login to sqlplus # sqlplus CMS_DASHBOARD/password_here@devdb10

-- TaoShengCHEN - 15 Mar 2006

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