**Pragma autonomous transaction**

Pragma marks a routine as autonomous**.** It is an independent transaction to the parent transaction.

The AUTONOMOUS_TRANSACTION pragma changes the way a subprogram works within a transaction. A subprogram marked with this pragma can do SQL operations and commit or roll back those operations, without committing or rolling back the data in the main transaction.

**Syntax:**

```
DECLARE
PRAGMA AUTONOMOUS_TRANSACTION;
BEGIN
COMMIT;
END;
```

**Example 1:**

```
CREATE OR REPLACE
PROCEDURE XXCTC_INSERT_P2
IS
PRAGMA AUTONOMOUS_TRANSACTION;
BEGIN
DBMS_OUTPUT.PUT_LINE('start');
INSERT INTO XX_TABLE(EMPNO,ENAME,JOB,SAL)VALUES(4,'RAM','HR',25000);
INSERT INTO XX_TABLE(EMPNO,ENAME,JOB,SAL)VALUES(5,'SAM','CLERK',10000);
INSERT INTO XX_TABLE(EMPNO,ENAME,JOB,SAL)VALUES(6,'SUNIL','ASST HR',15000);
INSERT INTO
XX_TABLE(EMPNO,ENAME,JOB,SAL)VALUES(7,'CHANDU','DEVELOPER',15000);
COMMIT;
END;

CREATE OR REPLACE
PROCEDURE XXCTC_INSERT_P1
IS
BEGIN
DBMS_OUTPUT.PUT_LINE('start');
INSERT INTO XX_TABLE(EMPNO,ENAME,JOB,SAL)VALUES(1,'RAJU','MANAGER',100000);
INSERT INTO
XX_TABLE(EMPNO,ENAME,JOB,SAL)VALUES(2,'KIRAN','DEVELOPER',50000);
```

```
INSERT INTO XX_TABLE(EMPNO,ENAME,JOB,SAL)VALUES(3,'RAMESH','TEASTER',20000);
XXCTC_INSERT_P2;
END;

BEGIN
XXCTC_INSERT_P1;
END;

SELECT * FROM XX_TABLE;

ROLL BACK;

SELECT * FROM XX_TABLE;
```

**Example 2:**

```
CREATE OR REPLACE
PROCEDURE XXCTC_UPDATE_P2
IS
PRAGMA AUTONOMOUS_TRANSACTION;
BEGIN
DBMS_OUTPUT.PUT_LINE('start');
UPDATE  XX_TABLE SET SAL=7000
WHERE  EMPNO=5;
 COMMIT;
END;

CREATE OR REPLACE
PROCEDURE XXCTC_UPDATE_P1
IS
BEGIN
DBMS_OUTPUT.PUT_LINE('start');
UPDATE  XX_TABLE SET SAL=22000
WHERE  EMPNO=4;
 XXCTC_UPDATE_P2;
  END;

BEGIN
```

```
XXCTC_UPDATE_P1;
END;
SELECT * FROM XX_TABLE;

ROLLBACK;

SELECT * FROM XX_TABLE;
```

**Example 3:**

```
CREATE OR REPLACE
PROCEDURE XXCTC_DELETE_P2
IS
PRAGMA AUTONOMOUS_TRANSACTION;
BEGIN
DBMS_OUTPUT.PUT_LINE('start');
DELETE  FROM XX_TABLE WHERE EMPNO=7;
COMMIT;
END;

CREATE OR REPLACE
PROCEDURE XXCTC_DELETE_P1
IS
BEGIN
DBMS_OUTPUT.PUT_LINE('start');
DELETE FROM XX_TABLE WHERE EMPNO=6;
XXCTC_DELETE_P2;
END;

BEGIN
XXCTC_DELETE_P1;
END;

SELECT * FROM XX_TABLE;

ROLLBACK;
SELECT * FROM XX_TABLE;
```