**IMPLICIT CURSORS**

%FOUND

%ISOPEN

%NOTFOUND

%ROWCOUNT

**EXPLICIT CURSORS**

**-- DECLARE**

CURSOR cursor\_name IS

SELECT COL1,COL2

FROM table\_name

WHERE condition;

**-- OPEN (if in procedure BEGIN is before opening but after declaration)**

OPEN cursor\_name;

**-- FETCH**

LOOP **– orange loop is optional if more rows needed**

FETCH cursor\_name INTO temp1, temp2;

EXIT WHEN cursor\_name %NOTFOUND;

{display output if needed]

END LOOP;

**-- CLOSE**

CLOSE cursor\_name;

**USING RECORDS IN CURSORS**

**-- DECLARE**

CURSOR cursor\_name IS

SELECT COL1,COL2

FROM table\_name

WHERE condition;

**c\_rec cursor\_name%rowtype;**

**-- OPEN**

OPEN cursor\_name;

**-- FETCH**

LOOP

FETCH cursor\_name INTO **c\_rec**;

EXIT WHEN cursor\_name %NOTFOUND;

**{display output if neededin a form of … c\_rec.COLUMN\_NAME]**

END LOOP;

**-- CLOSE**

CLOSE cursor\_name;

**CURSOR FOR LOOP --(doesn’t need declare/open/fetch/close syntax)**

FOR record\_name IN

(SELECT \* FROM table\_nameWHERE condition)

LOOP

{loop statement}

END LOOP;