**TRIGGERS TYPE (ROW/STATEMENT or BEFORE/AFTER combination)**

ROW LEVEL

trigers once for each row affected by the event

created using the FOR EACH ROW clause in the CREATE TRIGGER command

STATEMENT LEVEL

Triggers only once for the whole event

Default type created via CREATE TRIGGER command

BEFORE

Triggers before the event

Used to determine whether action should be allowed or not

AFTER

Trigers after the event

Used to perform cascade events

**SINGLE TRIGGER EXAMPLE**

CREATE OR REPLACE TRIGGER trigger\_name

BEFORE update **–or after**

on table\_name

**FOR EACH ROW -- without this line it’s a STATEMENT triger, with it it’s a ROW trigger**

WHEN condition

DECLARE

variable\_name VARCHAR2(20);

BEGIN

**-- example action shown below**

SELECT \* INTO variable\_name

FROM dual;

DBMS\_OUTPUT.PUT\_LINE(variable\_name);

END

**STATEMENT LEVEL TRIGGER FOR MULTIPLE EVENTS EXAMPLE**

CREATE OR REPLACE TRIGGER trigger\_name

AFTER **update or insert or delete**   **–(or before)**

on table\_name

DECLARE

variable\_name VARCHAR2(20);

BEGIN **-- example action shown below**

SELECT \* INTO variable\_name

FROM dual;

IF INSERTING THEN

{action};

ELSIF UPDATING THEN

{action};

ELSIF DELETING THEN

{action};

END IF;

END;