• A trigger is a PL/SQL block structure which is fired when a DML statement like INSERT, UPDATE or DELETE is executed on a database table.

- Triggers are of 2 types:
 - Row level
 - Statement level (Table Level)

• Syntax:

```
CREATE [OR REPLACE] TRIGGER trigger_name
{BEFORE | AFTER | INSTEAD OF }
{INSERT [OR] | UPDATE [OR] | DELETE}
[OF <col_name>]
ON <table_name>
[REFERENCING OLD AS o NEW AS n]
[FOR EACH ROW]
WHEN (<condition>)
BEGIN
    statements
END;
```

- BEFORE | AFTER | INSTEAD OF
 - Indicates at what time should the trigger get fired.
 - INSTEAD OF is used to create a trigger on view.

- INSERT [OR] | UPDATE [OR] | DELETE
 - Determines the triggering event.
 - More than one triggering events can be used together separated by OR keyword.

- OF <col name(s)>
 - Used to handle an event only when a specific column is being updated.

- ON <table-name>
 - Identifies the name of the table or view to which the trigger is associated.

- REFERENCING OLD AS 0 NEW AS n
 - Used to reference the old and new values of the data being changed.
 - By default, you reference the values as :old.col_name or :new.col name.

- FOR EACH ROW
 - Indicates a row level trigger.

- WHEN <condition>
 - Valid only for row level triggers.
 - The trigger is fired only for rows that satisfy the condition specified.

Disabling Triggers

Disabling Triggers

• Once a trigger is created, anytime it can be disabled to remove its impact by using

alter trigger <trigger-name> disable

Lets Summarize

- What is PL / SQL
- Sections in PL / SQL
- Conditional Statements
- Iterative Statements
- Cursors
- Procedures and Functions
- Packages
- Exception Handling
- Triggers