**Triggers**

Triggers are statements that are executed automatically in the order of occurrence of any event.

It is executed whenever there is any changes / modification in database.

It will execute if any of the operations is performed in database. It might be

**DML** Data manipulation language (INSERT|UPDATE|DELETE)

**DDL** Data definition language (CREATE|ALTER|DROP)

**LogOn** it is executed in order to occurrence of logOn Event

create trigger trigger\_name

before|after

insert|update|delete

on table\_name

for each row

trigger\_body

MySQL

create trigger flight

before insert

on passenger

for each row

set new.charges = new.charges - 2000;

POSTGRES

CREATE OR REPLACE FUNCTION deduct\_charges()

RETURNS TRIGGER AS $$

BEGIN

    NEW.charges := NEW.charges - 2000;

    RETURN NEW;

END;

$$ LANGUAGE plpgsql;

CREATE TRIGGER flight

BEFORE INSERT

ON passenger

FOR EACH ROW

EXECUTE FUNCTION deduct\_charges()

**create trigger trigger\_name** declare a trigger with name

**before|after** it describes whether the trigger is executed before / after a ongoing event

**insert|update|delete** these are DML operation

**on table\_name** trigger is applied on a particular table

**for each row** trigger is executed whenever there is any modification / change in row

**trigger\_body** operations are performed when a trigger is executed

after update trigger

MySQL

create trigger afterinserttable

after insert on college\_student

for each row

insert into college\_audit values(1, concat('A new row is inserted',date\_format(now,'%d %m %y %h:%i:%s %p')));