

# 16/9/25 Trigger & Views

Aim: To Automatically perform an action whenever a specific event (INSERT, UPDATE, DELETE) occurs on a employee table and create without table that shows filtered data from one or more tables.

Algorithm: 1) Identify base table on which to work

2) For View:

- Decide which part of data to be displayed.
- Write select query for that data.
- create view using create view view\_name as select.

3) For trigger:

- Choose table & event that activate the trigger.
- create trigger using create trigger.

4) View shows data and trigger enforcement on commands operation.

5) End.

Sol > ~~select~~ \* from Employees;

Output:

Emp-Id	emp name	Company	Salary
1	Alla	HCL	9000
2	Bobby	DLF	2500
3	Evan	Google	1001

1) Create View:

Sol > Create View comp Salary View as select company, avg (Salary) as avg Salary, count (\*) as

Emp Count from Employees group by company;

sql> select \* from comp Salary View;

Company	Avg Salary	Empcount
HCL	5000	1
DLF	2500	1
Google	1001	1

2) Create Trigger:

sql> Create trigger Avg-Salary check before insert or update on Employees for each row begin

If new.Salary < 3000 Then

Signal sqlstate '4500'

set message-text = 'Salary must be

at least 3000';

end IF;

END;

sql> insert into employees values (7, 'Gross', 'IT', 2500);

Output:

ERROR 1644 (4500): Salary must be at least 3000

sql> insert into employees values (7, 'Gross', 'IT', 3000);

Output: 1 now inserted

sql> select \* from employees;



Emp-Id	emp-name	Company	Salaries
1	Alla	HCL	5000
2	Bobby	DLF	2500
3	Evan	Google	1001
4	Ginoes	IT	3000

VEL TECH	
EX NO.	1
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	1
TOTAL (20)	17
DATE	06/09/22

### Result,

The Implementation of triggers + views on the database has been successfully completed and rectified.