

Part 46 – Instead Of Update Trigger

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In this session we will learn

- Instead of Update trigger

Prerequisite:

Part 43 – DML Triggers (After Insert & Delete)

Part 44 – DML Triggers (After Update)

Part 45 – Instead of Insert Trigger

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Triggers

In SQL server there are 3 types of triggers

1. DML triggers
2. DDL triggers
3. Logon trigger

DML triggers are fired automatically in response to DML events (INSERT, UPDATE & DELETE)

DML triggers can be again classified into 2 types


1. After triggers (Sometimes called as FOR triggers)
2. Instead of triggers

**After triggers, fires after the triggering action.
(INSERT, UPDATE, and DELETE)**

**INSTEAD of triggers, fires instead of the triggering action.
(INSERT, UPDATE, and DELETE)**

Instead of Update Trigger

DeptId	DeptName	Id	Name	Gender	DepartmentId
1	IT	1	John	Male	3
2	Payroll	2	Mike	Male	2
3	HR	3	Pam	Female	1
4	Admin	4	Todd	Male	4
		5	Sara	Female	1
		6	Ben	Male	3



Id	Name	Gender	DeptName
1	John	Male	HR
2	Mike	Male	Payroll
3	Pam	Female	IT
4	Todd	Male	Admin
5	Sara	Female	IT
6	Ben	Male	HR

Update the view, in such a way that, it affects, both the underlying tables

```
Update vWEmployeeDetails set Name = 'Johnny', DeptName = 'IT' where Id = 1
```

View or function 'vWEmployeeDetails' is not updatable because the modification affects multiple base tables.

Instead of Update Trigger

DeptId	DeptName
1	IT
2	Payroll
3	HR
4	Admin

Id	Name	Gender	DepartmentId
1	John	Male	3
2	Mike	Male	2
3	Pam	Female	1
4	Todd	Male	4
5	Sara	Female	1
6	Ben	Male	3

Id	Name	Gender	DeptName
1	John	Male	HR
2	Mike	Male	Payroll
3	Pam	Female	IT
4	Todd	Male	Admin
5	Sara	Female	IT
6	Ben	Male	HR

`Update vWEmployeeDetails set DeptName = 'IT' where Id = 1`

DeptId	DeptName
1	IT
2	Payroll
3	IT
4	Admin

Id	Name	Gender	DepartmentId
1	John	Male	3
2	Mike	Male	2
3	Pam	Female	1
4	Todd	Male	4
5	Sara	Female	1
6	Ben	Male	3

Id	Name	Gender	DeptName
1	John	Male	IT
2	Mike	Male	Payroll
3	Pam	Female	IT
4	Todd	Male	Admin
5	Sara	Female	IT
6	Ben	Male	IT

Additional Resources

- PRAGIM Home Page:

- www.PragimTech.com

- Resources:

- ASP.NET Interview Questions
- www.VenkatASPInterview.Blogspot.com
- C# Interview Questions
- www.VenkatCSharpInterview.Blogspot.com
- SQL Server Interview Questions
- www.venkatsqlinterview.Blogspot.com