After Triggers fires after the triggering action. The INSERT, UPDATE and DELETE statements cause an after trigger to fire after the respective statements complete execution.

Instead of Triggers fires instead of the triggering action. The INSERT, UPDATE and DELETE statements cause an instead of trigger to fire instead of the respective statement execution.

After Triggers

After INSERT Triggers

```
SELECT * FROM tbl_Employee;
```

Results | Messages

	empno	ename	job	manager	hiredate	salary	commission	deptno
1	8369	Smith	CLERK	8902	1990-12-18	800	NULL	20
2	8499	Anya	SALESMAN	8698	1991-02-20	1600	300	30
3	8521	Seth	SALESMAN	8698	1991-02-22	1250	500	30
4	8566	Mahadevan	MANAGER	8839	1991-04-02	2985	NULL	20
5	8654	Momin	SALESMAN	8698	1991-09-28	1250	1400	30
6	8698	Bina	MANAGER	8839	1991-05-01	2850	NULL	30
7	8882	Shiavnsh	MANAGER	8839	1991-06-09	2450	NULL	10
8	8888	Scott	ANALYST	8566	1992-12-09	3000	NULL	20
9	8839	Amir	PRESIDENT	NULL	1991-11-18	5000	NULL	10
10	8844	Kuldeep	SALESMAN	8698	1991-09-08	1500	0	30
11	8886	Anoop	CLERK	8888	1993-01-12	1100	NULL	20
12	8100	Yash	ANALYST	NULL	2003-05-03	6000	NULL	20
13	8900	Jatin	CLERK	8698	1991-12-03	950	NULL	30
14	8902	Fakir	ANALYST	8566	1991-12-03	3500	NULL	20

```
CREATE TABLE tbl_Employee_Audit(Id INT IDENTITY, AuditData TEXT);

SELECT * FROM tbl_Employee_Audit;
```

Id	AuditData

```sql
CREATE TRIGGER tr_tbl_Employee_ForInsert
ON tbl_Employee
FOR INSERT
AS
BEGIN
SELECT * FROM inserted;
END
```

```sql
INSERT INTO tbl_Employee VALUES(9999, 'Tina', 'MANAGER', 8900, '1992-12-24', 5000, NULL, 10);
```

	empno	ename	job	manager	hiredate	salary	commission	deptno
1	9999	Tina	MANAGER	8900	1992-12-24	5000	NULL	10

```sql
SELECT * FROM tbl_Employee;
```

	empno	ename	job	manager	hiredate	salary	commission	deptno
1	8369	Smith	CLERK	8902	1990-12-18	800	NULL	20
2	8499	Anya	SALESMAN	8698	1991-02-20	1600	300	30
3	8521	Seth	SALESMAN	8698	1991-02-22	1250	500	30
4	8566	Mahadevan	MANAGER	8839	1991-04-02	2985	NULL	20
5	8654	Momin	SALESMAN	8698	1991-09-28	1250	1400	30
6	8698	Bina	MANAGER	8839	1991-05-01	2850	NULL	30
7	8882	Shiavnsh	MANAGER	8839	1991-06-09	2450	NULL	10
8	8888	Scott	ANALYST	8566	1992-12-09	3000	NULL	20
9	8839	Amir	PRESIDE...	NULL	1991-11-18	5000	NULL	10
10	8844	Kuldeep	SALESMAN	8698	1991-09-08	1500	0	30
11	8886	Anoop	CLERK	8888	1993-01-12	1100	NULL	20
12	8100	Yash	ANALYST	NULL	2003-05-03	6000	NULL	20
13	8900	Jatin	CLERK	8698	1991-12-03	950	NULL	30
14	8902	Fakir	ANALYST	8566	1991-12-03	3500	NULL	20
15	9999	Tina	MANAGER	8900	1992-12-24	5000	NULL	10

Inserted is a special table used by Triggers. This table is only available in the context of a Trigger.

```sql
SELECT * FROM inserted;
Msg 208, Level 16, State 1, Line 16
Invalid object name 'inserted'.
```

The structure of the Inserted table is the same as the table on which the trigger has been made.

```sql
ALTER TRIGGER tr_tbl_Employee_ForInsert
ON tbl_Employee
FOR INSERT
AS
BEGIN
DECLARE @Id INT
SELECT @Id = empno FROM inserted
INSERT INTO tbl_Employee_Audit
VALUES('New Employee with Id = ' + CAST(@Id AS VARCHAR) + ' is added at ' + CAST(GETDATE() AS VARCHAR))
END

INSERT INTO tbl_Employee VALUES(9998, 'Shyam', 'ANALYST', 8900, '1992-12-24', 5000, NULL, 20);
```

SELECT * FROM tbl_Employee;

	empno	ename	job	manager	hiredate	salary	commission	deptno
1	8369	Smith	CLERK	8902	1990-12-18	800	NULL	20
2	8499	Anya	SALESMAN	8698	1991-02-20	1600	300	30
3	8521	Seth	SALESMAN	8698	1991-02-22	1250	500	30
4	8566	Mah...	MANAGER	8839	1991-04-02	2985	NULL	20
5	8654	Momin	SALESMAN	8698	1991-09-28	1250	1400	30
6	8698	Bina	MANAGER	8839	1991-05-01	2850	NULL	30
7	8882	Shia...	MANAGER	8839	1991-06-09	2450	NULL	10
8	8888	Scott	ANALYST	8566	1992-12-09	3000	NULL	20
9	8839	Amir	PRESIDE...	NULL	1991-11-18	5000	NULL	10
10	8844	Kuld...	SALESMAN	8698	1991-09-08	1500	0	30
11	8886	Anoop	CLERK	8888	1993-01-12	1100	NULL	20
12	8100	Yash	ANALYST	NULL	2003-05-03	6000	NULL	20
13	8900	Jatin	CLERK	8698	1991-12-03	950	NULL	30
14	8902	Fakir	ANALYST	8566	1991-12-03	3500	NULL	20
15	9999	Tina	MANAGER	8900	1992-12-24	5000	NULL	10
16	9998	Shyam	ANALYST	8900	1992-12-24	5000	NULL	20

SELECT * FROM tbl_Employee_Audit;

	Id	AuditData
1	1	New Employee with Id = 9998 is added at May 5 2023 9:49AM