

## **EXP 10:**

## **Creation of Triggers**

### **AIM:**

### **Trigger Structure:**

CREATE [OR REPLACE] TRIGGER trigger\_name

BEFORE | AFTER

[INSERT, UPDATE, DELETE [COLUMN NAME..]

ON table\_name4

Referencing [ OLD AS OLD | NEW AS NEW ]

FOR EACH ROW | FOR EACH STATEMENT [ WHEN Condition ]

DECLARE

[declaration\_section

variable declarations;

constant declarations;

]

BEGIN

[executable\_section

PL/SQL execute/subprogram body

]

EXCEPTION

[exception\_section

PL/SQL Exception block

]

END;

## **EXP 10:**

## **Creation of Triggers**

CREATE or REPLACE TRIGGER trg1

before

INSERT ON emp

FOR EACH ROW

BEGIN

:new.salary := :new.salary-:new.lossofpay;

END;

select \* from emp;

EID	E_NAME	COMPANY_NAME	SALARY	DATEOFJOIN	LOSSOFFPAY
1	sakthi	dell	40000	12/17/2008	10000

insert into emp values(2,'jeeva','hp',75000,'06-05-2020',15000);

select \* from emp;

---

EID	E_NAME	COMPANY_NAME	SALARY	DATEOFJOIN	LOSSOFFPAY
2	jeeva	hp	60000	06/05/2020	15000
1	sakthi	dell	40000	12/17/2008	10000

## **EXP 10:**

## **Creation of Triggers**

```
CREATE or REPLACE TRIGGER trg2
```

```
after
```

```
DELETE ON emp
```

```
FOR EACH ROW
```

```
BEGIN
```

```
insert into oldemp(eid,e_name,company_name)
```

```
values(:old.eid,:old.e_name,:old.company_name);
```

```
END;
```

```
delete from emp ;
```

---

```
2 row(s) deleted.
```

```
select * from oldemp;
```

EID	E_NAME	COMPANY_NAME
1	sakthi	dell
2	jeeva	hp

## **EXP 10:**

## **Creation of Triggers**

```
CREATE or REPLACE TRIGGER price_history_trigger
BEFORE UPDATE OF itemprice
ON computersys
FOR EACH ROW
BEGIN
INSERT INTO computersys2
VALUES
(:old.itemprice,:old.modelname,:old.brandname,:old.warranty,:old.serialno);
END;
```

```
update computersys set itemprice=74000 where serialno=2;
```

```
select * from computersys2;
```

ITEMPRICE	MODELNAME	BRANDNAME	WARRANTY	SERIALNO
75000	inspiron	dell	3	2