Assignment-06

(6) Cursor Operation

AIM

To create a cursor from the existing employee table and updating the tax with basic pay.

MATERIALS REQUIRED.

Apex

PROCEDURE

* Create a table employee
* Insert the values in it.
* Create a cursor.
* Update the tax based on the basic pay.

SQL commands

To create a table employee.

```
Create table Emple(
    emp_name varchar (30),
    emp_id number,
    basic_pay number,
    con_pay number, (Convenience_Pay)
    tax number,
    net_sal number);
```

Insert the values in table empl

```
insert into (emp-name, emp-id, basic_pay)
values ('jeevi', 100, 30000);
insert into (emp-name, emp-id, basic_pay)
values ('jai', 101, 39000);
insert into (emp-name, emp-id, basic_pay)
values ('Surya', 103, 40000);
insert into (emp-name, emp-id, basic_pay)
values ('balaji', 104, 50000);
insert into (emp-name, emp-id, basic_pay)
values ('saumi', 105, 55000);
insert into (emp-name, emp-id, basic_pay)
values ('niyosh', 107, 25000);
insert into (emp-name, emp-id, basic_pay)
values ('Anitha', 106, 20000);
insert into (emp-name, emp-id, basic-pay)
values ('Vicky', 108, 15000);
```

Display: select * from empl;

emp-name	emp-id	basic-pay	con-pay	tax	net-sal-ary
jeevi	100	30000		-	-
jai	101	39000	-	-	-
Surya	103	40000	-	-	-
balaji	104	80000	-	-	-
Saumi	105	55000	-	-	-
niyosh	107	25000	-	-	-
Anitha	106	20000	-	-	-
Vicky	108	15000			

To create a CURSOR

```
DECLARE
CURSOR cempl is SELECT * FROM empl;
BEGIN
FOR e IN cempl LOOP
IF e.basic_pay = 30000 THEN
UPDATE empl
SET tax = 0.1 * e.basic_pay
WHERE emp_id = e.emp_id
ELSEF e.basic_pay > 30000 THEN
UPDATE empl
SET tax = 0.2 * e.basic_pay
WHERE emp_id = e.emp_id;
ENDIF;
END LOOP;
END;
/
```

DISPLAY TABLE : select * from empl.

emp_name	emp_ID	Basic_pay	con_pay	tax	net_salary
jai	101	39000	—	7800	—
Sunya	103	40000	—	8000	—
balaji	104	50000	—	10000	—
anitha	106	20000	—	—	—
jeevi	100	30000	—	3000	—
Saumi	105	55000	—	11000	—
niyosh	107	25000	—	—	—
Vicky	108	15000	—	—	—

RESULT

Tax for each employee has been updated by calculating tax through basic pay.