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Class: TE-IV   **Course:** DBMSL   **Assignment No.:** 06

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1. Write a PL/SQL block of code using parameterized Cursor, that will merge the data available in the newly created table N_EmpId with the data available in the table O_EmpId. If the data in the first table already exist in the second table then that data should be skipped.

i. Creating the O_Emp Table.

> create table O_Emp(emp_id INT, emp_name varchar(45));

ii. Inserting values in the O_Emp Table.

> insert into O_Emp values(1, 'Om);

> insert into O_Emp values(2, 'Bhagyashree);

> insert into O_Emp values(3, 'Ayush);

> insert into O_Emp values(4, 'Durvesh);

> insert into O_Emp values(5, 'Atharva);

> insert into O_Emp values(2, 'Ujwal);

> insert into O_Emp values(4, 'Vedika);

iii. Creating the N_Emp Table.

> create table N_Emp(emp_id INT PRIMARY KEY, emp_name varchar(45));

iv. Displaying the O_Emp & N_Emp Table.

> select * from O_Emp;

```
+--------+----------+
| emp_id | emp_name |
+--------+----------+
|    1 | Om   |
|    2 | Bhagyashree  |
|    3 | Ayush  |
|    4 | Durvesh   |
|    5 | Atharva  |
|    2 | Ujwal   |
|    4 | Vedika   |
+--------+----------+
```
> select * from N_Emp;

Empty set (0.00 sec)

v. Procedure "merge_employee()".

> create procedure merger_employee()

 -> BEGIN

 -> DECLARE done INT DEFAULT FALSE;

 -> DECLARE id INT;

 -> DECLARE name VARCHAR(45);

 -> DECLARE curs CURSOR for select emp_id, emp_name from O_Emp;

 -> DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

 -> OPEN curs;

 -> WHILE not done DO

 -> FETCH curs INTO id, name;

 -> IF not exists (select * from N_Emp where emp_id = id) THEN

 -> insert into N_Emp values(id, name);

 -> end if;

 -> end while;

 -> CLOSE curs;

 -> end;

 -> //

vi. Calling the procedure

> call merge_employee();

vii. Displaying the contents of N_Emp & O_Emp tables after calling the procedure.

> select * from N_Emp;

```
+--------+----------+
| emp_id | emp_name |
+--------+----------+
|      1 | Om       |
|      2 | Bhagyashree |
|      3 | Ayush    |
|      4 | Durvesh  |
|      5 | Atharva  |
+--------+----------+
```

> select * from O_Emp;

```
+--------+----------+
| emp_id | emp_name |
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|      1 | Om       |
|      2 | Bhagyashree |
|      3 | Ayush    |
|      4 | Durvesh  |
|      5 | Atharva  |
|      2 | Bhagyashree |
|      4 | Durvesh  |
+--------+----------+
```

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