

Assignment 3

CURSOR

Name: Kaveri Zanzane

Roll No: 242

Batch: C4

STATEMENT:

Write a PL/SQL Block which use cursor as well as cursor FOR LOOP to select 5 highest earners from EMP table and write their details into highest_earners Table.

1) Create duplicate of employees table.

CREATE TABLE highest_earners AS SELECT * FROM employees

```
CREATE TABLE highest_earners AS SELECT * FROM Emp
```

```
Table created.
```

2) Truncate the duplicate table truncate table highest_earners

```
Truncate table highest_earners
```

```
Table truncated.
```

3) Create cursor

SQL Worksheet

```
1 DECLARE
2 CURSOR emp_cursor
3 IS
4 SELECT * FROM Emp
5 ORDER BY salary DESC; -- order by salary in descending order
6 v_eid Emp.eid%TYPE; |
7 v_name Emp.ename%TYPE;
8 v_age Emp.age%TYPE;
9 v_sal Emp.salary%TYPE;
10 v_did Emp.did%TYPE;
11 BEGIN
12 OPEN emp_cursor;
13 FOR i IN 1..5 LOOP -- select only top 5 earners
14 FETCH emp_cursor INTO v_eid,v_name, v_age, v_sal, v_did ;
15 -- insert the highest earners into highest_earners table
16 INSERT INTO highest_earners (eid, ename ,age,salary,did)
17 VALUES (v_eid,v_name,v_age,v_sal,v_did);
18 END LOOP;
```

```

DECLARE
CURSOR emp_cursor
IS
SELECT * FROM Emp
ORDER BY salary DESC; -- order by salary in descending order
v_eid Emp.eid%TYPE;
v_name Emp.ename%TYPE;
v_age Emp.age%TYPE;
v_sal Emp.salary%TYPE;
v_did Emp.did%TYPE;
BEGIN
OPEN emp_cursor;
FOR i IN 1..5 LOOP -- select only top 5 earners
FETCH emp_cursor INTO v_eid,v_name, v_age, v_sal, v_did ;
-- insert the highest earners into highest_earners table
INSERT INTO highest_earners (eid, ename ,age,salary,did)
VALUES (v_eid,v_name,v_age,v_sal,v_did);
END LOOP;
-- close the cursor
CLOSE emp_cursor;
END;

```

4)Check the highest salaried employees are inserted in table

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SQL Worksheet
Clear
Find
Actions

```

16 v INSERT INTO highest_earners (eid, ename ,age,salary,did)
17 VALUES (v_eid,v_name,v_age,v_sal,v_did);
18 END LOOP;
19 -- close the cursor
20 CLOSE emp_cursor;
21 END;
22 select*from highest_earners;

```

EID	ENAME	AGE	SALARY	DID
2603	Kaveri Zanzane	20	200000	4
1010	Pooja	33	140000	4
1009	Nikita	38	130000	4
1008	Sejal	27	120000	4
1007	Arya	32	110000	3

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