

DBMS LAB
Practical No: 6
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Roll No: C_71

Query 1

```
SQL> SET SERVEROUTPUT ON
SQL>
SQL> DECLARE
  2  v_deptno scott.dept.deptno%TYPE;
  3  v_dname scott.dept.dname%TYPE;
  4  v_empcount NUMBER;
  5
  6  CURSOR c_dept_empcount IS
  7  SELECT d.deptno, d.dname, COUNT(e.empno)
  8  FROM scott.emp e
  9  JOIN scott.dept d ON e.deptno = d.deptno
 10  GROUP BY d.deptno, d.dname;
 11
 12  BEGIN
 13  OPEN c_dept_empcount;
 14  LOOP
 15  FETCH c_dept_empcount INTO v_deptno, v_dname, v_empcount;
 16  EXIT WHEN c_dept_empcount%NOTFOUND;
 17  DBMS_OUTPUT.PUT_LINE('Department ' || v_deptno || ': ' || v_dname || ' has
' || v_empcount || ' employees.');
```

18 END LOOP;

19 CLOSE c_dept_empcount;

20 END;

21 /

Department 10: ACCOUNTING has 3 employees.
Department 20: RESEARCH has 5 employees.
Department 30: SALES has 6 employees.

PL/SQL procedure successfully completed.
SQL>

SQL>Query 2

```
SQL>
SQL> DECLARE
  2  v_deptno scott.dept.deptno%TYPE;
  3  v_emp_count NUMBER;
  4
  5  CURSOR c_dept_empcount IS
  6  SELECT e.deptno, COUNT(e.empno) emp_count
  7  FROM scott.emp e
  8  GROUP BY e.deptno
  9  HAVING COUNT(e.empno) >= 3;
 10
 11  BEGIN
 12  OPEN c_dept_empcount;
 13  LOOP
 14  FETCH c_dept_empcount INTO v_deptno, v_emp_count;
 15  EXIT WHEN c_dept_empcount%NOTFOUND;
 16  DBMS_OUTPUT.PUT_LINE('Department ' || v_deptno || ' has ' || v_emp_count ||
' employees.');
```

17 END LOOP;

18 CLOSE c_dept_empcount;

19 END;

20 /

Department 30 has 6 employees.

Department 20 has 5 employees.
Department 10 has 3 employees.

PL/SQL procedure successfully completed.

SQL>

SQL>

SQL>

SQL> DECLARE

2 v_deptno scott.dept.deptno%TYPE;

3 v_emp_count NUMBER;

4

5 CURSOR c_dept_empcount IS

6 SELECT e.deptno, COUNT(e.empno) emp_count

7 FROM scott.emp e

8 GROUP BY e.deptno

9 HAVING COUNT(e.empno) >= 4;

10

11 BEGIN

12 OPEN c_dept_empcount;

13 LOOP

14 FETCH c_dept_empcount INTO v_deptno, v_emp_count;

15 EXIT WHEN c_dept_empcount%NOTFOUND;

16 DBMS_OUTPUT.PUT_LINE('Department ' || v_deptno || ' has ' || v_emp_count ||
' employees.');

17 END LOOP;

18 CLOSE c_dept_empcount;

19 END;

20 /

Department 30 has 6 employees.

Department 20 has 5 employees.

PL/SQL procedure successfully completed.

SQL> spool off