

```
Oracle SQL*Plus
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17 CLOSE c_emp;
18 END;
19 /
From emp
*
ERROR at line 4:
ORA-00550: line 4, column 6:
PL/SQL: ORA-00923: FROM keyword not found where expected
ORA-00550: line 3, column 1:
PL/SQL: SQL Statement ignored

SQL> DECLARE
2  CURSOR c_emp IS
3  SELECT ename, sal
4  FROM emp
5  ORDER BY sal DESC;
6
7  v_ename emp.ename%TYPE;
8  v_salary emp.sal%TYPE;
9  v_counter NUMBER := 1;
10 BEGIN
11 OPEN c_emp;
12
13 LOOP
14  FETCH c_emp INTO v_ename, v_salary;
15
16  EXIT WHEN c_emp%NOTFOUND OR v_counter > 5;
17
18  DBMS_OUTPUT.PUT_LINE('Employee Name: ' || v_ename || ', Salary: ' || v_salary);
19
20  v_counter := v_counter + 1;
21 END LOOP;
22
23 CLOSE c_emp;
24 END;
25 /
Employee Name: KING, Salary: 5000
Employee Name: FORD, Salary: 3450
Employee Name: SCOTT, Salary: 3450
Employee Name: JONES, Salary: 3421.25
Employee Name: BLAKE, Salary: 2850

PL/SQL procedure successfully completed.

SQL> commit;

Commit complete.

SQL> |
```

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SQL> declare
2 num number(5);
3 Begin
4 update emp set sal = sal + sal*0.15 where deptno=20;
5 if SQL%NOTFOUND then
6 dbms_output.put_line('none of the salaries were updated');
7 elsif SQL%FOUND then
8 num := SQL%ROWCOUNT;
9 dbms_output.put_line('salaries for ' || num || 'employees are
10 updated');
11 end if;
12 End;
13 /
salaries for 5employees are
updated

PL/SQL procedure successfully completed.

SQL> declare
2 CURSOR C1 IS SELECT EMPNO,ENAME ,DEPTNO FROM EMP;
3 EMPNUM EMP.EMPNO%TYPE;
4 EMPNAME EMP.ENAME%TYPE;
5 DEPTNUM EMP.DEPTNO%TYPE;
6 BEGIN OPEN C1;
7 LOOP FETCH C1 INTO EMPNUM,EMPNAME,DEPTNUM;
8 if c1%notfound then
9 exit;
10 else
11 dbms_output.put_line(EMPNUM||' '||EMPNAME||'
12 '||DEPTNUM);
13 end if;
14 END LOOP;
15 end;
16 /
7369 SMITH
20
7499 ALLEN
30
7521 WARD
30
7566 JONES
20
7654 MARTIN
30
7698 BLAKE
30
7782 CLARK
10
7788 SCOTT
20
```

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```
SQL> declare
2  CURSOR C1 IS SELECT EMPNO,ENAME ,DEPTNO FROM EMP;
3  EMPNUM EMP.EMPNO%TYPE;
4  EMPNAME EMP.ENAME%TYPE;
5  DEPTNUM EMP.DEPTNO%TYPE;
6  BEGIN OPEN C1;
7  LOOP FETCH C1 INTO EMPNUM,EMPNAME,DEPTNUM;
8  if c1%notfound then
9  exit;
10 else
11 dbms_output.put_line(EMPNUM||' '||EMPNAME||'
12 '||DEPTNUM);
13 end if;
14 END LOOP;
15 end;
16 /
7369 SMITH
20
7499 ALLEN
30
7521 WARD
30
7566 JONES
20
7654 MARTIN
30
7698 BLAKE
30
7782 CLARK
10
7788 SCOTT
20
7839 KING
10
7844 TURNER
30
7876 ADAMS
20
7900 JAMES
30
7902 FORD
20
7934 MILLER
10

PL/SQL procedure successfully completed.

SQL> desc emp;
Name Null? Type
-----

```

Windows taskbar with search bar, icons, and system tray showing 30°C, 10:54 PM, 2023-04-22.