

9985798869

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```
SQL> cl scr

SQL> DECLARE
  2  CURSOR EmpCursor
  3  IS
  4  SELECT Ename, Sal
  5  FROM Emp;
  6  TYPE EmpCursorTableType
  7  IS TABLE OF
  8  EmpCursor%ROWTYPE
  9  INDEX BY BINARY_INTEGER;
 10  V_EmpTableType EmpCursorTableType;
 11  BEGIN
 12  --Main PL/SQL Block Checking The Status of Cursor
 13  IF NOT EmpCursor%ISOPEN
 14  THEN
 15  OPEN EmpCursor;
 16  ELSE
 17  DBMS_OUTPUT.PUT_LINE('Cursor is Already Open Proceed With Result Set
Operation's. ');
 18  END IF;
 19  --Block That is Loading Data From Cursor To PL/SQL Table
 20  DECLARE
 21  V_TableIndex PLS_INTEGER := 0;
 22  BEGIN
 23  DBMS_OUTPUT.PUT_LINE('Loading The Data From Context Area into
PL/SQL Tables Please Wait... ');
 24  LOOP
 25  FETCH EmpCursor INTO V_EmpTableType(V_TableIndex).Ename,
V_EmpTableType(V_TableIndex).Sal;
 26  EXIT WHEN EmpCursor%NOTFOUND OR EmpCursor%NOTFOUND IS NULL;
 27  V_TableIndex := V_TableIndex + 1;
 28  END LOOP;
 29  DBMS_OUTPUT.PUT_LINE('Loading The Data into PL/SQL Tables is Done
Successfully... ');
 30  CLOSE EmpCursor;
 31  END; --Data Loading is Completed And Context Area is Closed
 32  --Block To Operate And Display The Data From PL/SQL Table
 33  BEGIN
 34  DBMS_OUTPUT.PUT_LINE('Displaying The Data From The PL/SQL
Table...Please Wait... ');
 35  FOR IndexVariable IN V_EmpTableType.FIRST ..
V_EmpTableType.LAST
 36  LOOP
 37  DBMS_OUTPUT.PUT_LINE(V_EmpTableType(IndexVariable).Ename || '
is Fixed With A Salary of ' || V_EmpTableType(IndexVariable).Sal);
```

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```
38         END LOOP;
39         DBMS_OUTPUT.PUT_LINE('Displaying The Data From The PL/SQL
Table Was Sucessfull...');
40         DBMS_OUTPUT.PUT_LINE('The Total Records Processed Are
'||V_EmpTableType.COUNT);
41     END;
42 END;
43 /
```

Loading The Data From Context Area into PL/SQL Tables Please Wait...

Loading The Data into PL/SQL Tables is Done Successfully...

Displaying The Data From The PL/SQL Table...Please Wait...

KING is Fixed With A Salary of 5000

BLAKE is Fixed With A Salary of 2850

CLARK is Fixed With A Salary of 2450

JONES is Fixed With A Salary of 2975

MARTIN is Fixed With A Salary of 1250

ALLEN is Fixed With A Salary of 1600

TURNER is Fixed With A Salary of 1500

JAMES is Fixed With A Salary of 950

WARD is Fixed With A Salary of 1250

FORD is Fixed With A Salary of 3000

SMITH is Fixed With A Salary of 800

SCOTT is Fixed With A Salary of 3000

ADAMS is Fixed With A Salary of 1100

MILLER is Fixed With A Salary of 1300

Displaying The Data From The PL/SQL Table Was Sucessfull...

The Total Records Processed Are 14

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> DECLARE

```
2  CURSOR EmpRefCursor
3  IS SELECT Ename FROM Emp;
4  V_Ename Emp.Ename%TYPE;
5  BEGIN
6  OPEN EmpRefCursor;
7
8  LOOP
9      FETCH EmpRefCursor INTO V_Ename;
10     EXIT WHEN EmpRefCursor%NOTFOUND;
11     DBMS_OUTPUT.PUT_LINE('Employee Number
'||TO_CHAR(EmpRefCursor%ROWCOUNT, '09')||' : '||V_Ename);
12 END LOOP;
13 CLOSE EmpRefCursor;
14 END;
```

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```
15  /
Employee Number 01 : KING
Employee Number 02 : BLAKE
Employee Number 03 : CLARK
Employee Number 04 : JONES
Employee Number 05 : MARTIN
Employee Number 06 : ALLEN
Employee Number 07 : TURNER
Employee Number 08 : JAMES
Employee Number 09 : WARD
Employee Number 10 : FORD
Employee Number 11 : SMITH
Employee Number 12 : SCOTT
Employee Number 13 : ADAMS
Employee Number 14 : MILLER
```

PL/SQL procedure successfully completed.

```
SQL> DECLARE
  2  TYPE EmpRefCursor
  3  IS REF CURSOR;
  4  V_EmpRefCursor EmpRefCursor;
  5  V_Ename Emp.Ename%TYPE;
  6  BEGIN
  7  OPEN V_EmpRefCursor
  8  FOR
  9  SELECT Ename FROM Emp;
 10  LOOP
 11  FETCH V_EmpRefCursor INTO V_Ename;
 12  EXIT WHEN V_EmpRefCursor%NOTFOUND;
 13  DBMS_OUTPUT.PUT_LINE('Employee Number
'||TO_CHAR(V_EmpRefCursor%ROWCOUNT, '09')||' : '||V_Ename);
 14  END LOOP;
 15  CLOSE V_EmpRefCursor;
 16  END;
 17  /
Employee Number 01 : KING
Employee Number 02 : BLAKE
Employee Number 03 : CLARK
Employee Number 04 : JONES
Employee Number 05 : MARTIN
Employee Number 06 : ALLEN
Employee Number 07 : TURNER
Employee Number 08 : JAMES
Employee Number 09 : WARD
Employee Number 10 : FORD
Employee Number 11 : SMITH
```

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```
Employee Number 12 : SCOTT
Employee Number 13 : ADAMS
Employee Number 14 : MILLER
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> DECLARE
  2  V_RowCount NUMBER(4);
  3  TYPE GenericCursor
  4  IS REF CURSOR;
  5  V_GenericCursor GenericCursor;
  6  V_EmpRecord Emp%ROWTYPE;
  7  BEGIN
  8  OPEN V_GenericCursor
  9  FOR
 10  SELECT * FROM Emp;
 11  DBMS_OUTPUT.PUT_LINE(RPAD(LPAD('Employees Information', 49, '*'),
80, '*'));
 12  DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
 13  DBMS_OUTPUT.PUT_LINE(RPAD('EmpNo', 8)|| RPAD('Ename',
12)||RPAD('Job', 12)||RPAD('Deptno', 8)||RPAD('Mgr',
10)||RPAD('Hiredate', 12)||RPAD('Sal', 12)||RPAD('Comm', 10));
 14  DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
 15  LOOP
 16      FETCH V_GenericCursor INTO V_EmpRecord;
 17      EXIT WHEN V_GenericCursor%NOTFOUND;
 18      V_RowCount := V_GenericCursor%ROWCOUNT;
 19  DBMS_OUTPUT.PUT_LINE(RPAD(V_EmpRecord.Empno, 8)
||RPAD(V_EmpRecord.Ename, 12)||RPAD(V_EmpRecord.Job,
12)||RPAD(V_EmpRecord.Deptno, 8)||NVL(TO_CHAR(RPAD(V_EmpRecord.MGR,
10)), 'No Manager')||RPAD(V_EmpRecord.Hiredate, 12)||RPAD(V_EmpRecord.Sal,
12)||NVL(TO_CHAR(RPAD(V_EmpRecord.Comm, 12)), '-NA-'));
 20  END LOOP;
 21  CLOSE V_GenericCursor;
 22  DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
 23  END;
 24  /
```

*****Employees
Information*****

EmpNo	Ename	Job	Deptno	Mgr	Hiredate	Sal
7839	KING	PRESIDENT	10	No Manager	17-NOV-81	5000
-NA-						

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```
.....
7698      BLAKE      MANAGER      30      7839      01-MAY-81      2850
-NA-
7782      CLARK      MANAGER      10      7839      09-JUN-81      2450
-NA-
7566      JONES      MANAGER      20      7839      02-APR-81      2975
-NA-
7654      MARTIN     SALESMAN     30      7698      28-SEP-81      1250
1400
7499      ALLEN      SALESMAN     30      7698      20-FEB-81      1600
300
7844      TURNER     SALESMAN     30      7698      08-SEP-81      1500
0
7900      JAMES      CLERK        30      7698      03-DEC-81      950
-NA-
7521      WARD      SALESMAN     30      7698      22-FEB-81      1250
500
7902      FORD      ANALYST      20      7566      03-DEC-81      3000
-NA-
7369      SMITH     CLERK        20      7902      17-DEC-80      800
-NA-
7788      SCOTT     ANALYST      20      7566      09-DEC-82      3000
-NA-
7876      ADAMS     CLERK        20      7788      12-JAN-83      1100
-NA-
7934      MILLER    CLERK        10      7782      23-JAN-82      1300
-NA-
14 Rows Processed So Far...
```

PL/SQL procedure successfully completed.

SQL> cl scr

```
SQL> DECLARE
  2  V_RowCount NUMBER(4);
  3  V_TypeTable VARCHAR2(30) := UPPER('&GiveTable');
  4  TYPE GenericCursor
  5  IS REF CURSOR;
  6  V_GenericCursor GenericCursor;
  7  V_EmpRecord Emp%ROWTYPE;
  8  V_DeptRecord Dept%ROWTYPE;
  9  V_SalGradeRecord SalGrade%ROWTYPE;
 10 BEGIN
 11 IF V_TypeTable = 'EMP' THEN
 12 OPEN V_GenericCursor
 13 FOR
 14 SELECT * FROM Emp;
```

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```
15  DBMS_OUTPUT.PUT_LINE(RPAD(LPAD('Employees Information', 49, '*'),
80, '*'));
16  DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
17  DBMS_OUTPUT.PUT_LINE(RPAD('EmpNo', 8)|| RPAD('Ename',
12)||RPAD('Job', 12)||RPAD('Deptno', 8)||RPAD('Mgr',
10)||RPAD('Hiredate', 12)||RPAD('Sal', 12)||RPAD('Comm', 10));
18  DBMS_OUTPUT.PUT_LINE(RPAD('-', 80, '-'));
19  LOOP
20      FETCH V_GenericCursor INTO V_EmpRecord;
21      EXIT WHEN V_GenericCursor%NOTFOUND;
22      V_RowCount := V_GenericCursor%ROWCOUNT;
23  DBMS_OUTPUT.PUT_LINE(RPAD(V_EmpRecord.Empno, 8)
||RPAD(V_EmpRecord.Ename, 12)||RPAD(V_EmpRecord.Job,
12)||RPAD(V_EmpRecord.Deptno, 8)||NVL(TO_CHAR(RPAD(V_EmpRecord.MGR,
10)), 'No Manager')||RPAD(V_EmpRecord.Hiredate, 12)||RPAD(V_EmpRecord.Sal,
12)||NVL(TO_CHAR(RPAD(V_EmpRecord.Comm, 12)), '-NA-'));
24  END LOOP;
25  CLOSE V_GenericCursor;
26  DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
27  ELSE
28      IF V_TypeTable = 'DEPT' THEN
29          OPEN V_GenericCursor
30          FOR
31          SELECT * FROM Dept;
32          DBMS_OUTPUT.PUT_LINE(RPAD(LPAD('Department Information', 29, '*'),
49, '*'));
33          DBMS_OUTPUT.PUT_LINE(RPAD('-', 40, '-'));
34          DBMS_OUTPUT.PUT_LINE(RPAD('Deptno', 8)|| RPAD('Dname',
12)||RPAD('Loc', 12));
35          DBMS_OUTPUT.PUT_LINE(RPAD('-', 40, '-'));
36          LOOP
37              FETCH V_GenericCursor INTO V_DeptRecord;
38              EXIT WHEN V_GenericCursor%NOTFOUND;
39              V_RowCount := V_GenericCursor%ROWCOUNT;
40              DBMS_OUTPUT.PUT_LINE(RPAD(V_DeptRecord.Deptno, 8)
||RPAD(V_DeptRecord.Dname, 12)||RPAD(V_DeptRecord.Dname, 12));
41          END LOOP;
42          CLOSE V_GenericCursor;
43          DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
44          ELSE
45              IF V_TypeTable = 'SALGRADE' THEN
46                  OPEN V_GenericCursor
47                  FOR
48                  SELECT * FROM SalGrade;
49                  DBMS_OUTPUT.PUT_LINE(RPAD(LPAD('Salary Grade Information',
29, '*'), 49, '*'));
50                  DBMS_OUTPUT.PUT_LINE(RPAD('-', 40, '-'));
```

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```
51      DBMS_OUTPUT.PUT_LINE(RPAD('Grade', 8)|| RPAD('LoSal',
12)||RPAD('HiSal', 12));
52      DBMS_OUTPUT.PUT_LINE(RPAD('-', 40, '-'));
53      LOOP
54      FETCH V_GenericCursor INTO V_SalGradeRecord;
55      EXIT WHEN V_GenericCursor%NOTFOUND;
56      V_RowCount := V_GenericCursor%ROWCOUNT;
57      DBMS_OUTPUT.PUT_LINE(RPAD(V_SalGradeRecord.Grade, 8)
||RPAD(V_SalGradeRecord.LoSal, 12)||RPAD(V_SalGradeRecord.HiSal, 12));
58      END LOOP;
59      CLOSE V_GenericCursor;
60      DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So
Far...');
61      ELSE
62      DBMS_OUTPUT.PUT_LINE('Sorry You Either Do Not Have
Permissions on The Table OR The Requested Table Does Not Exist.');
```

```
63      END IF;
64  END IF;
65  END IF;
66  END;
67  /
Enter value for givetable: Dept
*****Department Information*****
```

```
-----
Deptno  Dname          Loc
-----
10      ACCOUNTING   ACCOUNTING
20      RESEARCH      RESEARCH
30      SALES          SALES
40      OPERATIONS    OPERATIONS
4 Rows Processed So Far...
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givetable: Emp
*****Employees
Information*****
```

```
-----
EmpNo   Ename          Job              Deptno  Mgr        Hiredate        Sal
Comm
-----
7839    KING            PRESIDENT        10      No Manager  17-NOV-81       5000
-NA-
7698    BLAKE           MANAGER          30      7839       01-MAY-81       2850
-NA-
```

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```
.....
7782      CLARK      MANAGER      10      7839      09-JUN-81      2450
-NA-
7566      JONES      MANAGER      20      7839      02-APR-81      2975
-NA-
7654      MARTIN     SALESMAN     30      7698      28-SEP-81      1250
1400
7499      ALLEN      SALESMAN     30      7698      20-FEB-81      1600
300
7844      TURNER     SALESMAN     30      7698      08-SEP-81      1500
0
7900      JAMES      CLERK        30      7698      03-DEC-81      950
-NA-
7521      WARD      SALESMAN     30      7698      22-FEB-81      1250
500
7902      FORD      ANALYST      20      7566      03-DEC-81      3000
-NA-
7369      SMITH     CLERK        20      7902      17-DEC-80      800
-NA-
7788      SCOTT     ANALYST      20      7566      09-DEC-82      3000
-NA-
7876      ADAMS     CLERK        20      7788      12-JAN-83      1100
-NA-
7934      MILLER    CLERK        10      7782      23-JAN-82      1300
-NA-
14 Rows Processed So Far...
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givetable: SalGrade
*****Salary Grade Information*****
-----
Grade    LoSal      HiSal
-----
1         700        1200
2        1201        1400
3        1401        2000
4        2001        3000
5        3001        9999
5 Rows Processed So Far...
```

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> SPOOL OFF

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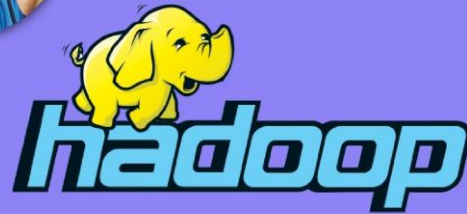
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Covering Extensive

HDFS Framework, MapReduce, Pig, Hive, Java,
HBase, Spark & Scala



Sathish Yellanki



**Batch Starts on
21st Aug 2018**

Time: 7am-8am

(Class Room and On-Line)



For Registration Contact 040-23710047, 9985798869



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