SkyEss Techno Solutions Pvt. Ltd.
Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. 040 23710047, Mobile: 9985798869,WhatsApp:9985798869
Contact For Courses And Training in
Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix, Big Data
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```
SQL> cl scr

SQL> DECLARE
  2  TYPE EmpTableType
  3  IS TABLE OF
  4  Emp%ROWTYPE;
  5  V_EmpTableType EmpTableType;
  6  BEGIN
  7  SELECT * INTO V_EmpTableType
  8  FROM Emp;
  9  FOR IndexVariable IN V_EmpTableType.FIRST .. V_EmpTableType.LAST
 10  LOOP
 11  DBMS_OUTPUT.PUT_LINE(V_EmpTableType(IndexVariable).Ename || ' is
Fixed With A Salary of ' || V_EmpTableType(IndexVariable).Sal);
 12  END LOOP;
 13  END;
 14  /
SELECT * INTO V_EmpTableType
               *
ERROR at line 7:
ORA-06550: line 7, column 15:
PLS-00642: local collection types not allowed in SQL statements
ORA-06550: line 7, column 30:
PL/SQL: ORA-00947: not enough values
ORA-06550: line 7, column 1:
PL/SQL: SQL Statement ignored


SQL> cl scr

SQL> DECLARE
  2  TYPE EmpTableType
  3  IS TABLE OF
  4  Emp%ROWTYPE;
  5  V_EmpTableType EmpTableType;
  6  BEGIN
  7  SELECT * BULK COLLECT INTO V_EmpTableType
  8  FROM Emp;
  9  FOR IndexVariable IN V_EmpTableType.FIRST .. V_EmpTableType.LAST
 10  LOOP
 11  DBMS_OUTPUT.PUT_LINE(V_EmpTableType(IndexVariable).Ename || ' is
Fixed With A Salary of ' || V_EmpTableType(IndexVariable).Sal);
 12  END LOOP;
 13  END;
 14  /
KING is Fixed With A Salary of 5000
```

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```
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

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> DECLARE
  2   TYPE MyArray IS
  3   TABLE OF
  4   Emp%ROWTYPE;
  5   V_MyArray MyArray;
  6   TYPE GenericCursor
  7   IS REF CURSOR;
  8   V_GenericCursor GenericCursor;
  9   BEGIN
 10   OPEN V_GenericCursor FOR
 11   SELECT *
 12   FROM Emp;
 13   FETCH V_GenericCursor INTO V_MyArray;
 14   CLOSE V_GenericCursor;
 15   FOR LoopIndex IN 1 .. V_MyArray.Count
 16   LOOP
 17   DBMS_OUTPUT.PUT_LINE( TO_CHAR(LoopIndex, '09') || ') ' ||
V_MyArray(LoopIndex).Ename );
 18   END LOOP;
 19   END;
 20   /
FETCH V_GenericCursor INTO V_MyArray;
                            *
ERROR at line 13:
ORA-06550: line 13, column 28:
PLS-00597: expression 'V_MYARRAY' in the INTO list is of wrong type
ORA-06550: line 13, column 1:
PL/SQL: SQL Statement ignored
```

```
SQL> DECLARE
  2  TYPE MyArray IS
  3  TABLE OF
  4  Emp%ROWTYPE;
  5  V_MyArray MyArray;
  6  TYPE GenericCursor
  7  IS REF CURSOR;
  8  V_GenericCursor GenericCursor;
  9  BEGIN
 10  OPEN V_GenericCursor FOR
 11  SELECT *
 12  FROM Emp;
 13  FETCH V_GenericCursor BULK COLLECT INTO V_MyArray;
 14  CLOSE V_GenericCursor;
 15  FOR LoopIndex IN 1 .. V_MyArray.Count
 16  LOOP
 17  DBMS_OUTPUT.PUT_LINE( TO_CHAR(LoopIndex, '09') || ') ' ||
V_MyArray(LoopIndex).Ename );
 18  END LOOP;
 19  END;
 20  /
01) KING
02) BLAKE
03) CLARK
04) JONES
05) MARTIN
06) ALLEN
07) TURNER
08) JAMES
09) WARD
10) FORD
11) SMITH
12) SCOTT
13) ADAMS
14) MILLER

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> SPOOL OFF
```

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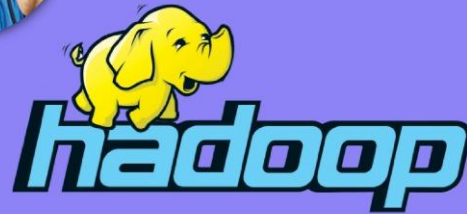**Follow Me: https://www.facebook.com/satishkumar.yellanki**
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