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```
SQL> cl scr

SQL> ED
Wrote file afiedt.buf

  1  SELECT Ename, Sal
  2  FROM Emp
  3* WHERE Empno = &V_Empno
SQL> /
Enter value for v_empno: 7654

ENAME            SAL
---------- ----------
MARTIN          1250


Execution Plan
----------------------------------------------------------
Plan hash value: 2650221029

--------------------------------------------------------------------------
-----------------------
| Id  | Operation                   | Name          | Rows  | Bytes |
Cost (%CPU)| Time     |
--------------------------------------------------------------------------
-----------------------
|   0 | SELECT STATEMENT            |               |     1 |    33 |
2   (0)| 00:00:01 |
|   1 |  TABLE ACCESS BY INDEX ROWID| EMP           |     1 |    33 |
2   (0)| 00:00:01 |
|*  2 |   INDEX UNIQUE SCAN         | EMP_PRIMARY_KEY |   1 |       |
1   (0)| 00:00:01 |
--------------------------------------------------------------------------
--------------------

Predicate Information (identified by operation id):
---------------------------------------------------

   2 - access("EMPNO"=7654)

SQL> SET AUTOTRACE ON EXPLAIN
SQL> cl scr

SQL> R
  1  SELECT Ename, Sal
  2  FROM Emp
```

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```
   3* WHERE Empno = &V_Empno
Enter value for v_empno: 7654

ENAME           SAL
---------- ----------
MARTIN          1250


Execution Plan
----------------------------------------------------------
Plan hash value: 2650221029

--------------------------------------------------------------------
----------------------
| Id  | Operation                   | Name             | Rows  | Bytes |
Cost (%CPU)| Time      |
--------------------------------------------------------------------
----------------------
|   0 | SELECT STATEMENT            |                  |     1 |    33 |
2   (0)| 00:00:01 |
|   1 |  TABLE ACCESS BY INDEX ROWID| EMP              |     1 |    33 |
2   (0)| 00:00:01 |
|*  2 |   INDEX UNIQUE SCAN         | EMP_PRIMARY_KEY  |     1 |       |
1   (0)| 00:00:01 |
--------------------------------------------------------------------
----------------------

Predicate Information (identified by operation id):
---------------------------------------------------

   2 - access("EMPNO"=7654)

SQL> SET AUTOTRACE OFF EXPLAIN
SQL> cl scr

SQL> R
  1  SELECT Ename, Sal
  2  FROM Emp
  3* WHERE Empno = &V_Empno
Enter value for v_empno: 7654

ENAME           SAL
---------- ----------
MARTIN          1250

SQL> /
Enter value for v_empno: 2234
```

```
no rows selected

SQL> DECLARE
  2   V_Empno Emp.Empno%TYPE := &Empno;
  3   V_Ename Emp.Ename%TYPE;
  4   V_Sal Emp.Sal%TYPE;
  5   BEGIN
  6   SELECT Ename, Sal INTO V_Ename, V_Sal
  7   FROM Emp
  8   WHERE Empno = V_Empno;
  9   DBMS_OUTPUT.PUT_LINE('Name : '||V_Ename||' Salary : '||V_Sal);
 10   END;
 11   /
Enter value for empno: 7654
Name : MARTIN Salary : 1250

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 7839
Name : KING Salary : 5000

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 7788
Name : SCOTT Salary : 3000

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 2234
DECLARE
*
ERROR at line 1:
ORA-01403: no data found
ORA-06512: at line 6


SQL> /
Enter value for empno: 7566
Name : JONES Salary : 2975

PL/SQL procedure successfully completed.

SQL> /
```

```
Enter value for empno: 7698
Name : BLAKE Salary : 2850

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 6756
DECLARE
*
ERROR at line 1:
ORA-01403: no data found
ORA-06512: at line 6


SQL> /
Enter value for empno: 7654
Name : MARTIN Salary : 1250

PL/SQL procedure successfully completed.

SQL> DECLARE
  2   V_Empno Emp.Empno%TYPE := &Empno;
  3   V_Ename Emp.Ename%TYPE;
  4   V_Sal Emp.Sal%TYPE;
  5   BEGIN
  6   SELECT Ename, Sal INTO V_Ename, V_Sal
  7   FROM Emp
  8   WHERE Empno = V_Empno;
  9   DBMS_OUTPUT.PUT_LINE('Name : '||V_Ename||' Salary : '||V_Sal);
 10   EXCEPTION
 11   WHEN NO_DATA_FOUND THEN
 12   DBMS_OUTPUT.PUT_LINE('Sorry, Data is Not Found.');
 13   END;
 14   /
Enter value for empno: 7654
Name : MARTIN Salary : 1250

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 7788
Name : SCOTT Salary : 3000

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 2234
```

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```
Sorry, Data is Not Found.

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 7698
Name : BLAKE Salary : 2850

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 3454
Sorry, Data is Not Found.

PL/SQL procedure successfully completed.

SQL> ED
Wrote file afiedt.buf

  1   DECLARE
  2   V_Empno Emp.Empno%TYPE := &Empno;
  3   V_Ename Emp.Ename%TYPE;
  4   V_Sal Emp.Sal%TYPE;
  5   BEGIN
  6   SELECT Ename, Sal INTO V_Ename, V_Sal
  7   FROM Emp
  8   WHERE Empno = V_Empno;
  9   DBMS_OUTPUT.PUT_LINE('Name : '||V_Ename||' Salary : '||V_Sal);
 10   EXCEPTION
 11   WHEN OTHERS THEN
 12   DBMS_OUTPUT.PUT_LINE('Sorry, Data is Not Found.');
 13* END;
SQL> /
Enter value for empno: 7654
Name : MARTIN Salary : 1250

PL/SQL procedure successfully completed.

SQL> /
Enter value for empno: 2234
Sorry, Data is Not Found.

PL/SQL procedure successfully completed.

SQL> DECLARE
  2   V_Empno Emp.Empno%TYPE := &Empno;
  3   V_Ename Emp.Ename%TYPE;
```

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```
  4  V_Sal Emp.Sal%TYPE;
  5  BEGIN
  6  SELECT Ename, Sal INTO V_Ename, V_Sal
  7  FROM Emp
  8  WHERE Empno = V_Empno;
  9  DBMS_OUTPUT.PUT_LINE('Name : '||V_Ename||' Salary : '||V_Sal);
 10  EXCEPTION
 11  WHEN NO_DATA_FOUND THEN
 12  DBMS_OUTPUT.PUT_LINE('Sorry, Data is Not Found.');
 13  WHEN OTHERS THEN
 14  DBMS_OUTPUT.PUT_LINE('Sorry! Un-Identified Exception');
 15  END;
 16  /
Enter value for empno: 1234
Sorry, Data is Not Found.

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED
Wrote file afiedt.buf

  1  SELECT *
  2  FROM Emp
  3* WHERE Sal = &V_Sal
SQL> /
Enter value for v_sal: 5000

    EMPNO ENAME      JOB              MGR HIREDATE       SAL
COMM DEPTNO
---------- ---------- --------- ---------- --------- ---------- ---------
- ------
     7839 KING       PRESIDENT            17-NOV-81      5000
10

SQL> /
Enter value for v_sal: 3000

    EMPNO ENAME      JOB              MGR HIREDATE       SAL
COMM DEPTNO
---------- ---------- --------- ---------- --------- ---------- ---------
- ------
     7902 FORD       ANALYST        7566 03-DEC-81      3000
20
     7788 SCOTT      ANALYST        7566 09-DEC-82      3000
20
```

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```
SQL> DECLARE
  2  V_Emp Emp%ROWTYPE;
  3  V_Sal Emp.Sal%TYPE := &Sal;
  4  BEGIN
  5  SELECT * INTO V_Emp
  6  FROM Emp
  7  WHERE Sal = V_Sal;
  8  DBMS_OUTPUT.PUT_LINE('Name : '||V_Emp.Ename||' Salary :
'||V_Emp.Sal);
  9  END;
 10  /
Enter value for sal: 5000
Name : KING Salary : 5000

PL/SQL procedure successfully completed.

SQL> /
Enter value for sal: 2850
Name : BLAKE Salary : 2850

PL/SQL procedure successfully completed.

SQL> /
Enter value for sal: 3000
DECLARE
*
ERROR at line 1:
ORA-01422: exact fetch returns more than requested number of rows
ORA-06512: at line 5


SQL> DECLARE
  2  V_Emp Emp%ROWTYPE;
  3  V_Sal Emp.Sal%TYPE := &Sal;
  4  BEGIN
  5  SELECT * INTO V_Emp
  6  FROM Emp
  7  WHERE Sal = V_Sal;
  8  DBMS_OUTPUT.PUT_LINE('Name : '||V_Emp.Ename||' Salary :
'||V_Emp.Sal);
  9  EXCEPTION
 10  WHEN TOO_MANY_ROWS THEN
 11  DBMS_OUTPUT.PUT_LINE('More Than One Employee Having Same Salary');
 12  END;
 13  /
Enter value for sal: 5000
```

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```
Name : KING Salary : 5000

PL/SQL procedure successfully completed.

SQL> /
Enter value for sal: 2850
Name : BLAKE Salary : 2850

PL/SQL procedure successfully completed.

SQL> /
Enter value for sal: 3000
More Than One Employee Having Same Salary

PL/SQL procedure successfully completed.

SQL> /
Enter value for sal: 950
Name : JAMES Salary : 950

PL/SQL procedure successfully completed.

SQL> /
Enter value for sal: 2234
DECLARE
*
ERROR at line 1:
ORA-01403: no data found
ORA-06512: at line 5


SQL> ED
Wrote file afiedt.buf

  1   DECLARE
  2   V_Emp Emp%ROWTYPE;
  3   V_Sal Emp.Sal%TYPE := &Sal;
  4   BEGIN
  5   SELECT * INTO V_Emp
  6   FROM Emp
  7   WHERE Sal = V_Sal;
  8   DBMS_OUTPUT.PUT_LINE('Name : '||V_Emp.Ename||' Salary :
'||V_Emp.Sal);
  9   EXCEPTION
 10   WHEN TOO_MANY_ROWS THEN
 11   DBMS_OUTPUT.PUT_LINE('More Than One Employee Having Same Salary');
 12   WHEN OTERS THEN
```

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```
 13  DBMS_OUTPUT.PUT_LINE('Sorry! Un-Handled Exception');
 14* END;
SQL> /
Enter value for sal: 2234
WHEN OTERS THEN
      *
ERROR at line 12:
ORA-06550: line 12, column 6:
PLS-00201: identifier 'OTERS' must be declared
ORA-06550: line 0, column 0:
PL/SQL: Compilation unit analysis terminated


SQL> ED
Wrote file afiedt.buf

  1  DECLARE
  2  V_Emp Emp%ROWTYPE;
  3  V_Sal Emp.Sal%TYPE := &Sal;
  4  BEGIN
  5  SELECT * INTO V_Emp
  6  FROM Emp
  7  WHERE Sal = V_Sal;
  8  DBMS_OUTPUT.PUT_LINE('Name : '||V_Emp.Ename||' Salary :
'||V_Emp.Sal);
  9  EXCEPTION
 10  WHEN TOO_MANY_ROWS THEN
 11  DBMS_OUTPUT.PUT_LINE('More Than One Employee Having Same Salary');
 12  WHEN OTHERS THEN
 13  DBMS_OUTPUT.PUT_LINE('Sorry! Un-Handled Exception');
 14* END;
SQL> /
Enter value for sal: 2234
Sorry! Un-Handled Exception

PL/SQL procedure successfully completed.

SQL> ED
Wrote file afiedt.buf

  1  DECLARE
  2  V_Emp Emp%ROWTYPE;
  3  V_Sal Emp.Sal%TYPE := &Sal;
  4  BEGIN
  5  SELECT * INTO V_Emp
  6  FROM Emp
  7  WHERE Sal = V_Sal;
```

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```
   8  DBMS_OUTPUT.PUT_LINE('Name : '||V_Emp.Ename||' Salary :
'||V_Emp.Sal);
   9  EXCEPTION
  10  WHEN TOO_MANY_ROWS THEN
  11  DBMS_OUTPUT.PUT_LINE('More Than One Employee Having Same Salary');
  12  WHEN NO_DATA_FOUND THEN
  13  DBMS_OUTPUT.PUT_LINE('Sorry! The Salary of '||V_Sal||' is Not
Found');
  14  WHEN OTHERS THEN
  15  DBMS_OUTPUT.PUT_LINE('Sorry! Un-Handled Exception');
  16* END;
SQL> /
Enter value for sal: 2234
Sorry! The Salary of 2234 is Not Found

PL/SQL procedure successfully completed.

SQL> SPOOL OFF
```

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

....

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