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SQL> cl scr

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

Name : KING Salary : 5000

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: 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;
```

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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! Data Not Found');  
14* END;  
SQL> /  
Enter value for sal: 1250  
More Than One Employee Having Same Salary
```

PL/SQL procedure successfully completed.

```
SQL> /  
Enter value for sal: 2234  
Sorry! Data Not Found
```

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;  
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! Data Not Found');  
14 WHEN OTHERS THEN  
15 DBMS_OUTPUT.PUT_LINE('Sorry! Un-Identified Exception');  
16* END;  
SQL> cl scr
```

```
SQL> DECLARE  
2 V_Empno VARCHAR2(4) := '&Empno';  
3 V_Ename VARCHAR2(20) := '&Ename';  
4 V_Deptno VARCHAR2(2) := '&Deptno';  
5 BEGIN
```

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Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
6  INSERT INTO Emp(Empno, Ename, Deptno)
7  VALUES (V_Empno, V_Ename, V_Deptno);
8  END ;
9  /
```

Enter value for empno: 7935
Enter value for ename: SURESH
Enter value for deptno: 30

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for empno: 793A
Enter value for ename: SUKESH
Enter value for deptno: 10
DECLARE
*
ERROR at line 1:
ORA-01722: invalid number
ORA-06512: at line 6
```

```
SQL> DECLARE
2  V_Empno VARCHAR2(4) := '&Empno';
3  V_Ename VARCHAR2(20) := '&Ename';
4  V_Deptno VARCHAR2(2) := '&Deptno';
5  BEGIN
6  INSERT INTO Emp(Empno, Ename, Deptno)
7  VALUES (V_Empno, V_Ename, V_Deptno);
8  EXCEPTION
9  WHEN INVALID_NUMBER THEN
10 DBMS_OUTPUT.PUT_LINE('Given Employee Number or Department Number is
Invalid');
11 END ;
12 /
```

Enter value for empno: 793A
Enter value for ename: SUKESH
Enter value for deptno: 30
Given Employee Number or Department Number is Invalid

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for empno: 7936
Enter value for ename: SUKESH
Enter value for deptno: 1A
Given Employee Number or Department Number is Invalid
```

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PL/SQL procedure successfully completed.

```
SQL> DECLARE
  2  V_Num1 NUMBER;
  3  BEGIN
  4  V_Num1 := '&GiveNumber1' + '&GiveNumber2';
  5  DBMS_OUTPUT.PUT_LINE ('The Result of the Operation is: ' || V_Num1);
  6  END ;
  7  /
```

Enter value for givenumber1: 1234
Enter value for givenumber2: 2345
The Result of the Operation is: 3579

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givenumber1: 123A
Enter value for givenumber2: 2345
DECLARE
*
ERROR at line 1:
ORA-06502: PL/SQL: numeric or value error: character to number conversion
error
ORA-06512: at line 4
```

```
SQL> ED
Wrote file afiedt.buf
```

```
  1  DECLARE
  2  V_Num1 NUMBER;
  3  BEGIN
  4  V_Num1 := '&GiveNumber1' + '&GiveNumber2';
  5  DBMS_OUTPUT.PUT_LINE('The Result of the Operation is: ' || V_Num1);
  6  EXCEPTION
  7  WHEN INVALID_NUMBER THEN
  8  DBMS_OUTPUT.PUT_LINE ('Sorry! Number Format Mis-Matching');
  9* END ;
```

```
SQL> /
Enter value for givenumber1: 1234
Enter value for givenumber2: 2345
The Result of the Operation is: 3579
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givenumber1: 123A
```

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Enter value for givenumber2: 2345

DECLARE

*

ERROR at line 1:

ORA-06502: PL/SQL: numeric or value error: character to number conversion error

ORA-06512: at line 4

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Num1 NUMBER;
3  BEGIN
4  V_Num1 := '&GiveNumber1' + '&GiveNumber2';
5  DBMS_OUTPUT.PUT_LINE('The Result of the Operation is: ' || V_Num1);
6  EXCEPTION
7  WHEN VALUE_ERROR THEN
8  DBMS_OUTPUT.PUT_LINE ('Sorry! Number Format Mis-Matching');
9* END ;
```

SQL> /

Enter value for givenumber1: 123A

Enter value for givenumber2: 2345

Sorry! Number Format Mis-Matching

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> DECLARE

```
2  V_Empno Emp.Empno%TYPE := &Empno;
3  V_Ename Emp.Ename%TYPE := '&Ename';
4  V_Deptno Emp.Deptno%TYPE := &Deptno;
5  BEGIN
6  INSERT INTO Emp(Empno, Ename ,Deptno)
7  VALUES (V_Empno, V_Ename, V_Deptno);
8  DBMS_OUTPUT.PUT_LINE('Employee Successfully Inserted');
9  END ;
10 /
```

Enter value for empno: 7938

Enter value for ename: SURESH

Enter value for deptno: 30

Employee Successfully Inserted

PL/SQL procedure successfully completed.

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```
SQL> /
Enter value for empno: 7934
Enter value for ename: SUKESH
Enter value for deptno: 30
DECLARE
*
ERROR at line 1:
ORA-00001: unique constraint (SCOTT.EMP_PRIMARY_KEY) violated
ORA-06512: at line 6
```

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> cl scr
```

```
SQL> DECLARE
  2  V_Empno Emp.Empno%TYPE := &Empno;
  3  V_Ename Emp.Ename%TYPE := '&Ename';
  4  V_Deptno Emp.Deptno%TYPE := &Deptno;
  5  BEGIN
  6  INSERT INTO Emp(Empno, Ename ,Deptno)
  7  VALUES (V_Empno, V_Ename, V_Deptno);
  8  DBMS_OUTPUT.PUT_LINE('Employee Successfully Inserted');
  9  EXCEPTION
 10  WHEN DUP_VAL_ON_INDEX THEN
 11  DBMS_OUTPUT.PUT_LINE('Employee ID Already Exists');
 12  END ;
 13  /
```

```
Enter value for empno: 7934
Enter value for ename: SUKESH
Enter value for deptno: 30
Employee ID Already Exists
```

PL/SQL procedure successfully completed.

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> cl scr
```

```
SQL> DECLARE
  2  V_Ename Emp.Ename% TYPE;
  3  V_Sal Emp.Sal%TYPE;
  4  V_RowCount PLS_INTEGER := 0;
```

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```
5  CURSOR EmpRowCount IS
6  SELECT Ename, Sal
7  FROM Emp
8  ORDER BY Ename;
9  BEGIN
10 OPEN EMPROWCOUNT;
11 LOOP
12 FETCH EmpRowCount INTO V_Ename, V_Sal;
13 EXIT WHEN EmpRowCount%NOTFOUND;
14 V_RowCount := EmpRowCount%ROWCOUNT;
15 DBMS_OUTPUT.PUT_LINE('Employee Name is, '||V_Ename||' his Salary
16 is '||V_Sal);
17 END LOOP;
18 OPEN EMPROWCOUNT;
19 DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
20 CLOSE EmpRowCount;
21 EXCEPTION
22 WHEN CURSOR_ALREADY_OPEN THEN
23 DBMS_OUTPUT.PUT_LINE('The Requested Cursor is already Open. ');
24 END;
25 /
```

Employee Name is,ADAMS his Salary
is 1100
Employee Name is,ALLEN his Salary
is 1600
Employee Name is,BLAKE his Salary
is 2850
Employee Name is,CLARK his Salary
is 2450
Employee Name is,FORD his Salary
is 3000
Employee Name is,JAMES his Salary
is 950
Employee Name is,JONES his Salary
is 2975
Employee Name is,KING his Salary
is 5000
Employee Name is,MARTIN his Salary
is 1250
Employee Name is,MILLER his Salary
is 1300
Employee Name is,SCOTT his Salary
is 3000
Employee Name is,SMITH his Salary
is 800
Employee Name is,TURNER his Salary
is 1500

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Employee Name is,WARD his Salary
is 1250
The Requested Cursor is already Open.

PL/SQL procedure successfully completed.

SQL> cl scr

```
SQL> DECLARE
  2  V_Ename Emp.Ename% TYPE;
  3  V_Sal Emp.Sal%TYPE;
  4  V_RowCount PLS_INTEGER := 0;
  5  CURSOR EmpRowCount IS
  6  SELECT Ename, Sal
  7  FROM Emp
  8  ORDER BY Ename;
  9  BEGIN
 10  OPEN EMPROWCOUNT;
 11  LOOP
 12  FETCH EmpRowCount INTO V_Ename, V_Sal;
 13  EXIT WHEN EmpRowCount%NOTFOUND;
 14  V_RoWCount := EmpRoWCount%ROWCOUNT;
 15  DBMS_OUTPUT.PUT_LINE('Employee Name is,'||V_Ename||' his Salary
 16  is '||V_Sal);
 17  END LOOP;
 18  DBMS_OUTPUT.PUT_LINE(V_RowCount||' Rows Processed So Far...');
 19  CLOSE EmpRowCount;
 20  CLOSE EmpRowCount;
 21  EXCEPTION
 22  WHEN INVALID_CURSOR THEN
 23  DBMS_OUTPUT.PUT_LINE('The Requested Cursor is either not open or is
already closed.');
```

24 END;

25 /

Employee Name is,ADAMS his Salary
is 1100
Employee Name is,ALLEN his Salary
is 1600
Employee Name is,BLAKE his Salary
is 2850
Employee Name is,CLARK his Salary
is 2450
Employee Name is,FORD his Salary
is 3000
Employee Name is,JAMES his Salary
is 950
Employee Name is,JONES his Salary

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```
is 2975
Employee Name is,KING his Salary
is 5000
Employee Name is,MARTIN his Salary
is 1250
Employee Name is,MILLER his Salary
is 1300
Employee Name is,SCOTT his Salary
is 3000
Employee Name is,SMITH his Salary
is 800
Employee Name is,TURNER his Salary
is 1500
Employee Name is,WARD his Salary
is 1250
14 Rows Processed So Far...
The Requested Cursor is either not open or is already closed.
```

PL/SQL procedure successfully completed.

SQL> cl scr

```
SQL> DECLARE
  2  V_Grade CHAR := UPPER('&EnterGrade');
  3  BEGIN
  4  CASE V_Grade
  5  WHEN 'A' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Excellent
Grade');
  6  WHEN 'B' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Very Good
Grade');
  7  WHEN 'C' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Good
Grade');
  8  WHEN 'D' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Fair
Grade');
  9  WHEN 'E' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Poor
Grade');
  10 END CASE;
  11 END;
  12 /
Enter value for entergrade: B
You are Awarded with Very Good Grade
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for entergrade: D
You are Awarded with Fair Grade
```

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PL/SQL procedure successfully completed.

SQL> /

Enter value for entergrade: J

DECLARE

*

ERROR at line 1:

ORA-06592: CASE not found while executing CASE statement

ORA-06512: at line 4

SQL> DECLARE

2 V_Grade CHAR := UPPER('&EnterGrade');

3 BEGIN

4 CASE V_Grade

5 WHEN 'A' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Excellent Grade');

6 WHEN 'B' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Very Good Grade');

7 WHEN 'C' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Good Grade');

8 WHEN 'D' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Fair Grade');

9 WHEN 'E' THEN DBMS_OUTPUT.PUT_LINE('You are Awarded with Poor Grade');

10 END CASE;

11 EXCEPTION

12 WHEN CASE_NOT_FOUND THEN

13 DBMS_OUTPUT.PUT_LINE('The Supplied Case '||V_Grade||' not found. Please Check once again.');

14 END;

15 /

Enter value for entergrade: J

The Supplied Case J not found. Please Check once again.

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> DECLARE

2 V_Num1 NUMBER := &GiveNumber1;

3 V_Num2 NUMBER := &GiveNumber2;

4 V_Result NUMBER;

5 BEGIN

6 V_Result := V_Num1/V_Num2;

7 DBMS_OUTPUT.PUT_LINE('The Result is: ' || V_Result);

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```
8  END ;
9  /
Enter value for givenumber1: 45
Enter value for givenumber2: 3
The Result is: 15
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for givenumber1: 45
Enter value for givenumber2: 0
DECLARE
*
ERROR at line 1:
ORA-01476: divisor is equal to zero
ORA-06512: at line 6
```

```
SQL> DECLARE
2  V_Num1 NUMBER := &GiveNumber1;
3  V_Num2 NUMBER := &GiveNumber2;
4  V_Result NUMBER;
5  BEGIN
6  V_Result := V_Num1/V_Num2;
7  DBMS_OUTPUT.PUT_LINE ('The Result is: ' || V_Result);
8  EXCEPTION
9  WHEN ZERO_DIVIDE THEN
10 DBMS_OUTPUT.PUT_LINE ('Fatal Error - Division by zero occurred');
11 END ;
12 /
Enter value for givenumber1: 45
Enter value for givenumber2: 0
Fatal Error - Division by zero occurred
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> CREATE TABLE Messages
2  (
3  Results VARCHAR2(200)
4  )
5  /
```

Table created.

```
SQL> DECLARE
```

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```
2  V_Ename Emp.Ename%TYPE;
3  V_Sal Emp.Sal%TYPE := &Sal;
4  BEGIN
5  SELECT Ename INTO V_Ename
6  FROM Emp
7  WHERE Sal = V_Sal;
8  INSERT INTO Messages(Results)
9  VALUES(USER||' Queried for Salary of '||V_Sal||' and '||V_Ename||'
was Found. ');
10 EXCEPTION
11 WHEN NO_DATA_FOUND THEN
12 INSERT INTO Messages(Results)
13 VALUES(USER||' Queried For '||V_Sal||' Salary on
'||TO_CHAR(SYSDATE,'DD, Month YYYY, HH24:MI:SS')||' And The Requested
Salary Was Not Found. ');
14 WHEN TOO_MANY_ROWS THEN
15 INSERT INTO Messages(Results)
16 VALUES(USER||' Queried For '||V_Sal||' Salary on
'||TO_CHAR(SYSDATE,'FMDD, Month YYYY, HH24:MI:SS')||' And Many Records
Were Matching Upon That Salary Hence Query Failed To Retrieve The
Data. ');
17 WHEN OTHERS THEN
18 INSERT INTO Messages(Results)
19 VALUES(USER||' Executed For Some Data '||TO_CHAR(SYSDATE,'FMDD,
Month YYYY, HH24:MI:SS')||' And Administrators Attention is Expected. ');
20 END ;
21 /
```

Enter value for sal: 5000

PL/SQL procedure successfully completed.

SQL> /

Enter value for sal: 1250

PL/SQL procedure successfully completed.

SQL> /

Enter value for sal: 2850

PL/SQL procedure successfully completed.

SQL> /

Enter value for sal: 3456

PL/SQL procedure successfully completed.

SQL> SELECT * FROM Messages;

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RESULTS

SCOTT Queried for Salary of 5000 and KING was Found.
SCOTT Queried For 1250 Salary on 21, August 2018, 17:48:7 And Many
Records Were Matching Upon That Salary Hence Query Failed To Retrieve The Data.

SCOTT Queried for Salary of 2850 and BLAKE was Found.
SCOTT Queried For 3456 Salary on 21, August 2018, 17:48:32 And The
Requested Salary Was Not Found.

SQL> cl scr

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

```
SQL> DECLARE
  2  V_Ename Emp.Ename%TYPE;
  3  V_Sal Emp.Sal%TYPE;
  4  V_Job Emp.Job%TYPE;
  5  V_Deptno Emp.Deptno%TYPE;
  6  BEGIN
  7  SELECT
  8  Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
  9  FROM Emp
 10  WHERE Empno = &GiveEmpNo;
 11  DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
 12  DECLARE
 13  V_Staff NUMBER(1);
 14  BEGIN
 15  SELECT COUNT(*) INTO V_Staff
 16  FROM Emp
 17  WHERE Deptno = V_Deptno;
 18  DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
 19  EXCEPTION
 20  WHEN VALUE_ERROR OR INVALID_NUMBER THEN
 21  DBMS_OUTPUT.PUT_LINE('There is some Error in the Data inputs (OR)
Data outputs, Please Check, Debug the Source.');
```

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```
24 WHEN NO_DATA_FOUND THEN
25   DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values. ');
26 END;
27 /
```

Enter value for giveempno: 2234

The Given Information is Missing in the Database, Check for Proper Values.

PL/SQL procedure successfully completed.

SQL> /

Enter value for giveempno: 7839

The Employee Name is : KING Working for Department 10 Having Salary of 5000.

The Total Number of Employees Working in Department 10 are 3.

PL/SQL procedure successfully completed.

SQL> /

Enter value for giveempno: 7566

The Employee Name is : JONES Working for Department 20 Having Salary of 2975.

The Total Number of Employees Working in Department 20 are 5.

PL/SQL procedure successfully completed.

SQL> /

Enter value for giveempno: 7654

The Employee Name is : MARTIN Working for Department 30 Having Salary of 1250.

The Total Number of Employees Working in Department 30 are 6.

PL/SQL procedure successfully completed.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Sal)
      2 VALUES(7935, 'SURESH', 30, 2000);
```

1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Sal)
      2 VALUES(7936, 'RUPESH', 30, 2000);
```

1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Sal)
      2 VALUES(7937, 'RAKESH', 30, 2000);
```

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1 row created.

```
SQL> DECLARE
  2  V_Ename Emp.Ename%TYPE;
  3  V_Sal Emp.Sal%TYPE;
  4  V_Job Emp.Job%TYPE;
  5  V_Deptno Emp.Deptno%TYPE;
  6  BEGIN
  7  SELECT
  8  Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
  9  FROM Emp
 10  WHERE Empno = &GiveEmpNo;
 11  DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
 12  DECLARE
 13  V_Staff NUMBER(1);
 14  BEGIN
 15  SELECT COUNT(*) INTO V_Staff
 16  FROM Emp
 17  WHERE Deptno = V_Deptno;
 18  DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
 19  EXCEPTION
 20  WHEN VALUE_ERROR OR INVALID_NUMBER THEN
 21  DBMS_OUTPUT.PUT_LINE('There is some Error in the Data inputs (OR)
Data outputs, Please Check, Debug the Source.');
```

```
22  END;
23  EXCEPTION
24  WHEN NO_DATA_FOUND THEN
25  DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values.');
```

```
26  END;
27  /
Enter value for giveempno: 7839
The Employee Name is : KING Working for Department 10 Having Salary of
5000.
```

```
The Total Number of Employees Working in Department 10 are 3.
```

PL/SQL procedure successfully completed.

```
SQL> /
```

```
Enter value for giveempno: 7566
```

```
The Employee Name is : JONES Working for Department 20 Having Salary of
2975.
```

```
The Total Number of Employees Working in Department 20 are 5.
```

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PL/SQL procedure successfully completed.

SQL> /

Enter value for giveempno: 7654

The Employee Name is : MARTIN Working for Department 30 Having Salary of 1250.

The Total Number of Employees Working in Department 30 are 9.

PL/SQL procedure successfully completed.

SQL> INSERT INTO Emp(Empno, Ename, Deptno, Sal)
2 VALUES(7938, 'RITESH', 30, 2000);

1 row created.

SQL> DECLARE
2 V_Ename Emp.Ename%TYPE;
3 V_Sal Emp.Sal%TYPE;
4 V_Job Emp.Job%TYPE;
5 V_Deptno Emp.Deptno%TYPE;
6 BEGIN
7 SELECT
8 Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
9 FROM Emp
10 WHERE Empno = &GiveEmpNo;
11 DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
12 DECLARE
13 V_Staff NUMBER(1);
14 BEGIN
15 SELECT COUNT(*) INTO V_Staff
16 FROM Emp
17 WHERE Deptno = V_Deptno;
18 DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
19 EXCEPTION
20 WHEN VALUE_ERROR OR INVALID_NUMBER THEN
21 DBMS_OUTPUT.PUT_LINE('There is some Error in the Data inputs (OR)
Data outputs, Please Check, Debug the Source.');

22 END;
23 EXCEPTION
24 WHEN NO_DATA_FOUND THEN
25 DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values.');

26 END;
27 /

Enter value for giveempno: 7839

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Spool File For Oracle Students Trained by Mr.Sathish Yellanki

The Employee Name is : KING Working for Department 10 Having Salary of 5000.

The Total Number of Employees Working in Department 10 are 3.

PL/SQL procedure successfully completed.

SQL> /

Enter value for giveempno: 7566

The Employee Name is : JONES Working for Department 20 Having Salary of 2975.

The Total Number of Employees Working in Department 20 are 5.

PL/SQL procedure successfully completed.

SQL> /

Enter value for giveempno: 7654

The Employee Name is : MARTIN Working for Department 30 Having Salary of 1250.

There is some Error in the Data inputs (OR) Data outputs, Please Check, Debug the Source.

PL/SQL procedure successfully completed.

SQL> Ed

Wrote file afiedt.buf

```
1  DECLARE
2  V_Ename Emp.Ename%TYPE;
3  V_Sal Emp.Sal%TYPE;
4  V_Job Emp.Job%TYPE;
5  V_Deptno Emp.Deptno%TYPE;
6  BEGIN
7  SELECT
8  Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
9  FROM Emp
10 WHERE Empno = &GiveEmpNo;
11 DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
12 DECLARE
13 V_Staff NUMBER(1);
14 BEGIN
15 SELECT COUNT(*) INTO V_Staff
16 FROM Emp
17 WHERE Deptno = V_Deptno;
18 DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
19 END;
```

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```
20 EXCEPTION
21 WHEN NO_DATA_FOUND THEN
22 DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values. ');
23* END;
SQL> /
Enter value for giveempno: 7654
The Employee Name is : MARTIN Working for Department 30 Having Salary of
1250.
DECLARE
*
ERROR at line 1:
ORA-06502: PL/SQL: numeric or value error: number precision too large
ORA-06512: at line 15
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1 DECLARE
2 V_Ename Emp.Ename%TYPE;
3 V_Sal Emp.Sal%TYPE;
4 V_Job Emp.Job%TYPE;
5 V_Deptno Emp.Deptno%TYPE;
6 BEGIN
7 SELECT
8 Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
9 FROM Emp
10 WHERE Empno = &GiveEmpNo;
11 DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'. ');
12 DECLARE
13 V_Staff NUMBER(1);
14 BEGIN
15 SELECT COUNT(*) INTO V_Staff
16 FROM Emp
17 WHERE Deptno = V_Deptno;
18 DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'. ');
19 END;
20 EXCEPTION
21 WHEN VALUE_ERROR OR INVALID_NUMBER THEN
22 DBMS_OUTPUT.PUT_LINE('There is some Error in the Data inputs (OR)
Data outputs, Please Check, Debug the Source. ');
23 WHEN NO_DATA_FOUND THEN
24 DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values. ');
```

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```
25* END;
SQL> /
Enter value for giveempno: 7654
The Employee Name is : MARTIN Working for Department 30 Having Salary of
1250.
There is some Error in the Data inputs (OR) Data outputs, Please Check,
Debug the Source.
```

PL/SQL procedure successfully completed.

```
SQL> Ed
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Ename Emp.Ename%TYPE;
3  V_Sal Emp.Sal%TYPE;
4  V_Job Emp.Job%TYPE;
5  V_Deptno Emp.Deptno%TYPE;
6  BEGIN
7  SELECT
8  Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
9  FROM Emp
10 WHERE Empno = &GiveEmpNo;
11 DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
12 DECLARE
13 V_Staff NUMBER(1);
14 BEGIN
15 SELECT COUNT(*) INTO V_Staff
16 FROM Emp
17 WHERE Deptno = V_Deptno;
18 DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
19 END;
20 EXCEPTION
21 WHEN NO_DATA_FOUND THEN
22 DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values.');
```

```
23 WHEN OTHERS THEN
24 DBMS_OUTPUT.PUT_LINE('Un-Known Exception');
25* END;
SQL> /
Enter value for giveempno: 7654
The Employee Name is : MARTIN Working for Department 30 Having Salary of
1250.
Un-Known Exception
```

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PL/SQL procedure successfully completed.

SQL> ED

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```
1  DECLARE
2  V_Ename Emp.Ename%TYPE;
3  V_Sal Emp.Sal%TYPE;
4  V_Job Emp.Job%TYPE;
5  V_Deptno Emp.Deptno%TYPE;
6  BEGIN
7  SELECT
8  Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
9  FROM Emp
10 WHERE Empno = &GiveEmpNo;
11 DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
12 DECLARE
13 V_Staff NUMBER(1);
14 BEGIN
15 SELECT COUNT(*) INTO V_Staff
16 FROM Emp
17 WHERE Deptno = V_Deptno;
18 DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
19 EXCEPTION
20 WHEN OTHERS THEN
21 DBMS_OUTPUT.PUT_LINE('Un-Known Exception');
22 END;
23 EXCEPTION
24 WHEN NO_DATA_FOUND THEN
25 DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values.');
```

SQL> /

Enter value for giveempno: 7654

The Employee Name is : MARTIN Working for Department 30 Having Salary of 1250.

Un-Known Exception

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

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```
1  DECLARE
2  V_Ename Emp.Ename%TYPE;
3  V_Sal Emp.Sal%TYPE;
4  V_Job Emp.Job%TYPE;
5  V_Deptno Emp.Deptno%TYPE;
6  BEGIN
7  SELECT
8  Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
9  FROM Emp
10 WHERE Empno = &GiveEmpNo;
11 DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
12 DECLARE
13 V_Staff NUMBER(1);
14 BEGIN
15 SELECT COUNT(*) INTO V_Staff
16 FROM Emp
17 WHERE Deptno = V_Deptno;
18 DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
19 EXCEPTION
20 WHEN OTHERS THEN
21 DBMS_OUTPUT.PUT_LINE('Inner : Un-Known Exception');
22 END;
23 EXCEPTION
24 WHEN NO_DATA_FOUND THEN
25 DBMS_OUTPUT.PUT_LINE('The Given Information is Missing in the
Database, Check for Proper Values.');
```

26 WHEN OTHERS THEN

```
27 DBMS_OUTPUT.PUT_LINE('Outer : Un-Known Exception');
28* END;
SQL> /
Enter value for giveempno: 7654
The Employee Name is : MARTIN Working for Department 30 Having Salary of
1250.
Inner : Un-Known Exception

PL/SQL procedure successfully completed.

SQL> ED
Wrote file afiedt.buf

1  DECLARE
2  V_Ename Emp.Ename%TYPE;
3  V_Sal Emp.Sal%TYPE;
4  V_Job Emp.Job%TYPE;
5  V_Deptno Emp.Deptno%TYPE;
```

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```
6 BEGIN
7 SELECT
8 Ename, Sal, Job, Deptno INTO V_Ename, V_Sal, V_Job, V_Deptno
9 FROM Emp
10 WHERE Empno = &GiveEmpNo;
11 DBMS_OUTPUT.PUT_LINE('The Employee Name is : '||V_Ename||' Working
for Department '||V_Deptno||' Having Salary of '||V_Sal||'.');
12 DECLARE
13 V_Staff NUMBER(1);
14 BEGIN
15 SELECT COUNT(*) INTO V_Staff
16 FROM Emp
17 WHERE Deptno = V_Deptno;
18 DBMS_OUTPUT.PUT_LINE('The Total Number of Employees Working in
Department '||V_Deptno||' are '||V_Staff||'.');
19 EXCEPTION
20 WHEN VALUE_ERROR OR INVALID_NUMBER THEN
21 DBMS_OUTPUT.PUT_LINE('There is some Error in the Data inputs (OR)
Data outputs, Please Check, Debug the Source.');
```

SQL> SPOOL OFF

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