```
SQL> cl scr
SQL> BEGIN
 2.
SQL> SELECT * FROM Dept;
   DEPTNO DNAME
                         LOC
-----
       10 ACCOUNTING NEW YORK
20 RESEARCH DALLAS
30 SALES CHICAGO
40 OPERATIONS BOSTON
SQL> cl scr
SQL> BEGIN
  2 DBMS_OUTPUT.PUT_LINE('First Message From PL/SQL');
  3 END;
  4 /
PL/SQL procedure successfully completed.
SQL> SET SERVEROUTPUT ON
SQL> R
 1 BEGIN
  2 DBMS_OUTPUT.PUT_LINE('First Message From PL/SQL');
  3* END;
First Message From PL/SQL
PL/SQL procedure successfully completed.
SQL> SET SERVEROUTPUT OFF
SQL> R
 1 BEGIN
  2 DBMS_OUTPUT.PUT_LINE('First Message From PL/SQL');
  3* END;
PL/SQL procedure successfully completed.
SQL> SET SERVEROUTPUT ON
SQL> R
 1 BEGIN
  2 DBMS_OUTPUT.PUT_LINE('First Message From PL/SQL');
  3* END;
First Message From PL/SQL
PL/SQL procedure successfully completed.
SQL> SELECT 'First Message From PL/SQL' SampleOutput FROM DUAL;
SAMPLEOUTPUT
First Message From PL/SQL
SQL> SET SERVEROUTPUT OFF
SQL> R
```

```
1* SELECT 'First Message From PL/SQL' SampleOutput FROM DUAL
SAMPLEOUTPUT
-----
First Message From PL/SQL
SQL> cl scr
SQL> DECLARE
 2 V Sample1 NUMBER(2);
 3 V_Sample2 CONSTANT NUMBER(2) := 99;
 4 V_Sample3 NUMBER(2) NOT NULL := 0;
 5 V_Sample4 NUMBER(2) := 50;
 6  V_Sample5 NUMBER(2) DEFAULT 25;
 7 BEGIN
 8 DBMS_OUTPUT.PUT_LINE(V_Sample1);
 9 DBMS_OUTPUT.PUT_LINE(V_Sample2);
10 DBMS_OUTPUT.PUT_LINE(V_Sample3);
11 DBMS_OUTPUT.PUT_LINE(V_Sample4);
12 DBMS_OUTPUT.PUT_LINE(V_Sample5);
13 END;
14 /
PL/SQL procedure successfully completed.
SQL> SET SERVEROUTPUT ON
SQL> R
 1 DECLARE
 2 V_Sample1 NUMBER(2);
 3 V_Sample2 CONSTANT NUMBER(2) := 99;
 4 V Sample3 NUMBER(2) NOT NULL := 0;
 5 V_Sample4 NUMBER(2) := 50;
 6 V_Sample5 NUMBER(2) DEFAULT 25;
 7 BEGIN
 8 DBMS_OUTPUT.PUT_LINE(V_Sample1);
 9 DBMS_OUTPUT.PUT_LINE(V_Sample2);
10 DBMS_OUTPUT.PUT_LINE(V_Sample3);
11 DBMS_OUTPUT.PUT_LINE(V_Sample4);
12 DBMS_OUTPUT.PUT_LINE(V_Sample5);
13* END;
99
50
25
PL/SQL procedure successfully completed.
SOL> ED
Wrote file afiedt.buf
 1 DECLARE
 2 V_Sample1 NUMBER(2);
 3 V_Sample2 CONSTANT NUMBER(2) := 99;
 4 V_Sample3 NUMBER(2) NOT NULL := 0;
 5 V Sample4 NUMBER(2) := 50;
 6 V_Sample5 NUMBER(2) DEFAULT 25;
            Document Generated By SkyEss Techno Solutions Pvt. Ltd.
```

```
7 BEGIN
 8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '| V_Sample1);
 9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||V_Sample2);
 10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||V_Sample3);
 11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||V_Sample4);
 12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||V_Sample5);
13* END;
SQL> /
The Value in Sample1:
The Value in Sample2: 99
The Value in Sample3: 0
The Value in Sample4: 50
The Value in Sample5: 25
PL/SQL procedure successfully completed.
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V Sample1 NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) := 99;
  4 V_Sample3 NUMBER(2) NOT NULL := 0;
  5 V Sample4 NUMBER(2) := 50;
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1),
'Not Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '|NVL(TO_CHAR(V_Sample2),
'Not Assigned'));
10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13* END;
SQL> /
The Value in Sample1 : Not Assigned
The Value in Sample2: 99
The Value in Sample3: 0
The Value in Sample4: 50
The Value in Sample5: 25
PL/SQL procedure successfully completed.
SQL> cl scr
SOL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1 NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) :=99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50;
```

```
6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
 8 DBMS OUTPUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1),
'Not Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'));
10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '| NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13* END;
SQL> /
V_Sample3 NUMBER(2) NOT NULL;
ERROR at line 4:
ORA-06550: line 4, column 11:
PLS-00218: a variable declared NOT NULL must have an initialization assignment
SQL> cl scr
SOL> ED
Wrote file afiedt.buf
 1 DECLARE
  2 V_Sample1 NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) :=99;
  4 V_Sample3 NUMBER(2) NOT NULL := 0;
  5 V_Sample4 NUMBER(2) := 50;
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '| NVL(TO_CHAR(V_Sample1),
'Not Assigned'));
 9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'));
10 DBMS OUTPUT.PUT LINE('The Value in Sample3 : '| NVL(TO CHAR(V Sample3),
'Not Assigned'));
11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13 V_Sample2 := 55;
14 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'));
15* END;
SQL> /
V_{sample2} := 55;
ERROR at line 13:
ORA-06550: line 13, column 1:
PLS-00363: expression 'V_SAMPLE2' cannot be used as an assignment target
ORA-06550: line 13, column 1:
PL/SQL: Statement ignored
```

```
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1 NUMBER(2);
  3 V Sample2 CONSTANT NUMBER(2) :=99;
  4 V_Sample3 NUMBER(2) NOT NULL := 0;
  5 V_Sample4 NUMBER(2) := 50;
  6 V Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1),
'Not Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'));
10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'));
14* END;
SQL> /
The Value in Sample1: Not Assigned
The Value in Sample2: 99
The Value in Sample3: 0
The Value in Sample4: 50
The Value in Sample5: 25
The Value in Sample5: 99
PL/SQL procedure successfully completed.
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1NUMBER(2);
  3 V Sample2 CONSTANT NUMBER(2) = 99;
  4 V Sample3 NUMBER(2) NOT NULL;
  5 V Sample4 NUMBER(2) := 50
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : | | NVL(TO_CHAR(V_Sample4), 'Not
Assigned'));
12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
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```

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14* END;
SQL> /
ERROR:
ORA-01756: quoted string not properly terminated
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) = 99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
 10 DBMS OUTPUT.PUT LINE('The Value in Sample3 : '| NVL(TO CHAR(V Sample3),
'Not Assigned'));
 11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
 12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
 13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
 14* END;
SQL> /
V Sample1NUMBER(2);
ERROR at line 2:
ORA-06550: line 2, column 16:
PLS-00103: Encountered the symbol "(" when expecting one of the following:
constant exception <an identifier>
<a double-quoted delimited-identifier> table LONG_ double ref
char time timestamp interval date binary national character
nchar
The symbol "<an identifier>" was substituted for "(" to continue.
ORA-06550: line 3, column 30:
PLS-00103: Encountered the symbol "=" when expecting one of the following:
:= ; not null default character
The symbol ":= was inserted before "=" to continue.
ORA-06550: line 6, column 1:
PLS-00103: Encountered the symbol "V_SAMPLE5" when expecting one of the
following:
* & = - + ; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like
between | | multiset member SUBMULTISET_
ORA-06550: line 8, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <> or != or ~= >=
```

```
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1NUMBER(2);
  3 V Sample2 CONSTANT NUMBER(2) = 99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50
  6 V Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : | | NVL(TO_CHAR(V_Sample4), 'Not
Assigned'));
 12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
14* END;
SQL> /
ERROR:
ORA-01756: quoted string not properly terminated
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) = 99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
14* END;
SQL> /
V_Sample1NUMBER(2);
ERROR at line 2:
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```

```
ORA-06550: line 2, column 16:
PLS-00103: Encountered the symbol "(" when expecting one of the following:
constant exception <an identifier>
<a double-quoted delimited-identifier> table LONG_ double ref
char time timestamp interval date binary national character
nchar
The symbol "<an identifier>" was substituted for "(" to continue.
ORA-06550: line 3, column 30:
PLS-00103: Encountered the symbol "=" when expecting one of the following:
:= ; not null default character
The symbol ":= was inserted before "=" to continue.
ORA-06550: line 6, column 1:
PLS-00103: Encountered the symbol "V_SAMPLE5" when expecting one of the
following:
* & = - + ; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like
between | multiset member SUBMULTISET_
Th
ORA-06550: line 8, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <> or != or ~= >=
SOL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1NUMBERCONSTANT2);
  3 V_Sample2 CONSTANT NUMBER(2) = 99;
  4 V Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
11 DBMS OUTPUT.PUT LINE('The Value in Sample4 : '| NVL(TO CHAR(V Sample4),
'Not Assigned'));
12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
14* END;
SQL> /
V_Sample1NUMBERCONSTANT2);
ERROR at line 2:
ORA-06550: line 2, column 25:
PLS-00103: Encountered the symbol ")" when expecting one of the following:
constant exception <an identifier>
<a double-quoted delimited-identifier> table LONG_ double ref
char time timestamp interval date binary national character
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```

```
nchar
ORA-06550: line 3, column 30:
PLS-00103: Encountered the symbol "=" when expecting one of the following:
:= ; not null default character
The symbol ":= was inserted before "=" to continue.
ORA-06550: line 6, column 1:
PLS-00103: Encountered the symbol "V SAMPLE5" when expecting one of the
following:
* & = - + ; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like
between | multiset member SUBMULTISET_
ORA-06550: line 8, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <> or != or ~= >= <= <> and or like as
between from using || member S
ORA-06550:
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2     V_Sample1NUMBERCONSTANT2CONSTANT;
  3 V_Sample2 CONSTANT NUMBER(2) = 99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V Sample4 NUMBER(2) := 50
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
 10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
 11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
 12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
 13 DBMS OUTPUT.PUT LINE('The Value in Sample5 : '| NVL(TO CHAR(V Sample12),
'Not Assigned'));
 14* END;
SQL> /
V_Sample1NUMBERCONSTANT2CONSTANT;
ERROR at line 2:
ORA-06550: line 2, column 1:
PLS-00114: identifier 'V_SAMPLE1NUMBERCONSTANT2CONSTA' too long
ORA-06550: line 2, column 33:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
constant exception <an identifier>
<a double-quoted delimited-identifier> table LONG_ double ref
char time timestamp interval date binary national charac
ORA-06550: line 3, column 30:
PLS-00103: Encountered the symbol "=" when expecting one of the following:
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:= ; not null default character
The symbol ":= was inserted before "=" to continue.
ORA-06550: line 6, column 1:
PLS-00103: Encountered the symbol "V_SAMPLE5" when expecting one of the
following:
* & = - + ; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like
between | multiset member SUBMULTISET_
ORA-06550: line 8, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <>
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample2 CONSTANT NUMBER(2) = 99;
  3 V Sample3 NUMBER(2) NOT NULL;
  4 V_Sample4 NUMBER(2) := 50
  5 V_Sample5 NUMBER(2) DEFAULT 25;
  7 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
 10 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
 11 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
 12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
 13* END;
SQL> /
V_Sample2 CONSTANT NUMBER(2) = 99;
ERROR at line 2:
ORA-06550: line 2, column 30:
PLS-00103: Encountered the symbol "=" when expecting one of the following:
:= ; not null default character
The symbol ":= was inserted before "=" to continue.
ORA-06550: line 5, column 1:
PLS-00103: Encountered the symbol "V_SAMPLE5" when expecting one of the
following:
* & = - + ; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like
between | multiset member SUBMULTISET_
Th
ORA-06550: line 7, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <> or != or ~= >= <= <> and or like as
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```
between from using || member S
ORA-06550: line 9, column 1:
PLS-00103: Encountered the symbol "DBMS_OUTPUT" when expecting one of the
following:
:= . (%;
The symbol ":=" was substituted for "DBMS_OUTPUT" to continue.
SOL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1 NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) = 99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS OUTPUT.PUT LINE('The Value in Sample2 : '| NVL(TO CHAR(V Sample2),
'Not Assigned'))
 10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '| NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
 11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
 12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
 14* END;
SQL> /
V_Sample2 CONSTANT NUMBER(2) = 99;
ERROR at line 3:
ORA-06550: line 3, column 30:
PLS-00103: Encountered the symbol "=" when expecting one of the following:
:= ; not null default character
The symbol ":= was inserted before "=" to continue.
ORA-06550: line 6, column 1:
PLS-00103: Encountered the symbol "V SAMPLE5" when expecting one of the
* & = -+; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like
between | | multiset member SUBMULTISET_
TЪ
ORA-06550: line 8, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <> or != or ~= >= <= <> and or like as
between from using || member S
ORA-06550: line 10, column 1:
PLS-00103: Encountered the symbol "DBMS_OUTPUT" when expecting one of the
following:
:= . ( % ;
The symbol ":=" was substituted for "DBMS_OUTPUT" to continue.
            Document Generated By SkyEss Techno Solutions Pvt. Ltd.
```

```
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V Sample1 NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) := 99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50
  6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
 10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '||NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
 11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
 12 DBMS OUTPUT.PUT LINE('The Value in Sample5 : '| NVL(TO CHAR(V Sample5),
'Not Assigned'));
 13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
 14* END;
SQL> /
V_Sample5 NUMBER(2) DEFAULT 25;
ERROR at line 6:
ORA-06550: line 6, column 1:
PLS-00103: Encountered the symbol "V_SAMPLE5" when expecting one of the
following:
* & = - + ; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like
between | | multiset member SUBMULTISET_
The symbol ";" was substituted for "V_SAMPLE5" to continue.
ORA-06550: line 8, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <> or != or ~= >= <= <> and or like as
between from using | member S
ORA-06550: line 10, column 1:
PLS-00103: Encountered the symbol "DBMS_OUTPUT" when expecting one of the
following:
:= . ( % ;
The symbol ":=" was substituted for "DBMS_OUTPUT" to continue.
SOL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V_Sample1 NUMBER(2);
  3 V_Sample2 CONSTANT NUMBER(2) := 99;
  4 V_Sample3 NUMBER(2) NOT NULL;
  5 V_Sample4 NUMBER(2) := 50;
```

```
6 V_Sample5 NUMBER(2) DEFAULT 25;
  7 BEGIN
  8 DBMS OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
  9 DBMS_OUTPUT.PUT_LINE('The Value in Sample2 : '||NVL(TO_CHAR(V_Sample2),
'Not Assigned'))
 10 DBMS_OUTPUT.PUT_LINE('The Value in Sample3 : '| NVL(TO_CHAR(V_Sample3),
'Not Assigned'));
 11 DBMS_OUTPUT.PUT_LINE('The Value in Sample4 : '||NVL(TO_CHAR(V_Sample4),
'Not Assigned'));
 12 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample5),
'Not Assigned'));
 13 DBMS_OUTPUT.PUT_LINE('The Value in Sample5 : '||NVL(TO_CHAR(V_Sample12),
'Not Assigned'));
 14* END;
SQL> /
DBMS_OUTPUT.PUT_LINE('The Value in Sample1 : '||NVL(TO_CHAR(V_Sample1, 'Not
Assigned'));
ERROR at line 8:
ORA-06550: line 8, column 88:
PLS-00103: Encountered the symbol ";" when expecting one of the following:
. ( ) , * % & | = - + < / > at in is mod remainder not rem =>
.. <an exponent (**)> <> or != or ~= >= <= <> and or like as
between from using | member SUBMULTISET_
The symbol ")" was substituted for ";" to continue.
ORA-06550: line 10, column 1:
PLS-00103: Encountered the symbol "DBMS_OUTPUT" when expecting one of the
following:
:= . ( % ;
The symbol ":=" was substituted for "DBMS_OUTPUT" to continue.
SQL> cl scr
SQL> BEGIN
  2 DBMS OUTPUT.PUT LINE('Text With Out Quotes');
  3 --DBMS_OUTPUT.PUT_LINE('''Text With in Quotes''');
  4 --DBMS OUTPUT.PUT LINE('''Text'' ''With'' ''in'' ''Quotes''');
  5 --DBMS OUTPUT.PUT LINE(Q'!'Text With in Quotes'!');
  6 --DBMS OUTPUT.PUT LINE(Q'!'Text' 'With' 'in' 'Quotes'!');
  7 END;
  8 /
Text With Out Quotes
PL/SQL procedure successfully completed.
SOL> ED
Wrote file afiedt.buf
  1 BEGIN
  2 DBMS_OUTPUT.PUT_LINE('Text With Out Quotes');
  3 DBMS_OUTPUT.PUT_LINE('''Text With in Quotes''');
  4 --DBMS OUTPUT.PUT LINE('''Text'' ''With'' ''in'' ''Quotes''');
  5 --DBMS_OUTPUT.PUT_LINE(Q'!'Text With in Quotes'!');
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```

```
6 --DBMS_OUTPUT.PUT_LINE(Q'!'Text' 'With' 'in' 'Quotes'!');
  7* END;
SQL> /
Text With Out Quotes
'Text With in Quotes'
PL/SQL procedure successfully completed.
SOL> ED
Wrote file afiedt.buf
  1 BEGIN
  2 DBMS_OUTPUT.PUT_LINE('Text With Out Quotes');
  3 DBMS_OUTPUT.PUT_LINE('''Text With in Quotes''');
  4 DBMS_OUTPUT.PUT_LINE('''Text'' ''With'' ''in'' ''Quotes''');
  5 --DBMS_OUTPUT.PUT_LINE(Q'!'Text With in Quotes'!');
  6 --DBMS_OUTPUT.PUT_LINE(Q'!'Text' 'With' 'in' 'Quotes'!');
  7* END;
SQL> /
Text With Out Quotes
'Text With in Quotes'
'Text' 'With' 'in' 'Quotes'
PL/SQL procedure successfully completed.
SQL> BEGIN
  2 DBMS_OUTPUT.PUT_LINE('Text With Out Quotes');
  3 DBMS OUTPUT.PUT LINE('''Text With in Quotes''');
  4 DBMS_OUTPUT_LINE('''Text'' ''With'' ''in'' ''Quotes''');
  5 DBMS_OUTPUT.PUT_LINE(Q'!'Text With in Quotes'!');
  6 DBMS_OUTPUT.PUT_LINE(Q'!'Text' 'With' 'in' 'Quotes'!');
  7 END;
  8 /
Text With Out Quotes
'Text With in Quotes'
'Text' 'With' 'in' 'Quotes'
'Text With in Quotes'
'Text' 'With' 'in' 'Quotes'
PL/SQL procedure successfully completed.
SOL> cl scr
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 String1 VARCHAR2(30) := 'Oracle';
  3 String2 VARCHAR2(30) := 'Corporation';
  4 BEGIN
  5 DBMS_OUTPUT.PUT_LINE('Your First String is : '||String1);
  6 DBMS_OUTPUT.PUT_LINE('Your Second String is : ' | |String2);
  7 DBMS_OUTPUT.PUT_LINE('Your Final String is : '||String1||String2);
  8* END;
SOL> /
Your First String is : Oracle
```

```
Your Second String is : Corporation
Your Final String is : OracleCorporation
PL/SQL procedure successfully completed.
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 String1 VARCHAR2(30) := 'Oracle';
  3 String2 VARCHAR2(30) := 'Corporation';
  4 BEGIN
  5 DBMS_OUTPUT.PUT_LINE('Your First String is : '||String1);
  6 DBMS_OUTPUT.PUT_LINE('Your Second String is : ' | |String2);
  7 DBMS_OUTPUT.PUT_LINE('Your Final String is : '||CONCAT(String1, CONCAT(' ',
String2)));
  8* END;
SQL> /
Your First String is : Oracle
Your Second String is : Corporation
Your Final String is : Oracle Corporation
PL/SQL procedure successfully completed.
SQL> cl scr
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 MyNumber1 NUMBER := 10;
  3 MyNumber2 NUMBER := 20;
  4 BEGIN
  5 DBMS_OUTPUT.PUT_LINE('Your First Number is : '||MyNumber1);
  6 DBMS_OUTPUT.PUT_LINE('Your Second Number is : '||MyNumber2);
  7 DBMS_OUTPUT.PUT_LINE('The Sum of '||MyNumber1||' and '||MyNumber2||' is :
'||TO_CHAR(MyNumber1 + MyNumber2, '999D99'));
  8* END;
SQL> /
Your First Number is: 10
Your Second Number is: 20
The Sum of 10 and 20 is: 30.00
PL/SQL procedure successfully completed.
SQL> cl scr
SOL> ED
Wrote file afiedt.buf
  1 DECLARE
     MyNumber1 NUMBER := 10;
    MyNumber2 NUMBER := 20;
  4 BEGIN
    DBMS_OUTPUT.PUT_LINE('Your First Number is : '||TO_CHAR(TO_DATE(MyNumber1,
'J'), 'JSP'));
```

```
6 DBMS_OUTPUT.PUT_LINE('Your Second Number is : '||TO_CHAR(TO_DATE(MyNumber2,
'J'), 'JSP'));
 7 DBMS_OUTPUT.PUT_LINE('The Sum of '||TO_CHAR(TO_DATE(MyNumber1, 'J'),
'JSP')||' and '||TO_CHAR(TO_DATE(MyNumber2, 'J'), 'JSP')||' is :
'||TO_CHAR(TO_DATE(MyNumber1 + MyNumber2, 'J'), 'JSP'));
  8* END;
SQL> /
Your First Number is : TEN
Your Second Number is : TWENTY
The Sum of TEN and TWENTY is: THIRTY
PL/SQL procedure successfully completed.
SQL> cl scr
SQL> DECLARE
    String1 VARCHAR2(30) := '&String1';
     String2 VARCHAR2(30) := '&String2';
  4 BEGIN
  5 DBMS_OUTPUT.PUT_LINE('Your First String is : '||String1);
  6 DBMS OUTPUT.PUT LINE('Your Second String is: '||String2);
    DBMS_OUTPUT.PUT_LINE('Your Final String is : '||String1||String2);
  8 END;
  9
Enter value for string1: Oracle
Enter value for string2: Corporation
Your First String is: Oracle
Your Second String is: Corporation
Your Final String is: OracleCorporation
PL/SQL procedure successfully completed.
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
    String1 VARCHAR2(30);
    String2 VARCHAR2(30);
  4 BEGIN
  5 String1 := '&String1';
  6 DBMS OUTPUT.PUT LINE('Your First String is: '||String1);
  7 String2 := '&String2';
  8 DBMS_OUTPUT.PUT_LINE('Your Second String is : '||String2);
    DBMS_OUTPUT.PUT_LINE('Your Final String is : '||String1||String2);
  9
 10* END;
SQL> /
Enter value for string1: Oracle
Enter value for string2: Corporation
Your First String is: Oracle
Your Second String is: Corporation
Your Final String is: OracleCorporation
PL/SQL procedure successfully completed.
SQL> cl scr
```

```
SOL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 MyNumber1 NUMBER := &Number1;
  3 MyNumber2 NUMBER := &Number2;
  4 BEGIN
  5
    DBMS_OUTPUT.PUT_LINE('Your First Number is : '||TO_CHAR(TO_DATE(MyNumber1,
'J'), 'JSP'));
    DBMS OUTPUT.PUT LINE('Your Second Number is : '||TO CHAR(TO DATE(MyNumber2,
'J'), 'JSP'));
    DBMS_OUTPUT.PUT_LINE('The Sum of '||TO_CHAR(TO_DATE(MyNumber1, 'J'),
'JSP')||' and '||TO_CHAR(TO_DATE(MyNumber2, 'J'), 'JSP')||' is :
'||TO_CHAR(TO_DATE(MyNumber1 + MyNumber2, 'J'), 'JSP'));
  8* END;
SQL> /
Enter value for number1: 25
Enter value for number2: 45
Your First Number is : TWENTY-FIVE
Your Second Number is : FORTY-FIVE
The Sum of TWENTY-FIVE and FORTY-FIVE is : SEVENTY
PL/SQL procedure successfully completed.
SQL> cl scr
SQL> ED
Wrote file afiedt.buf
 1 DECLARE
  2 V FirstName VARCHAR2(30) := '&FName';
  3 V_MiddleName VARCHAR2(30) := '&MName';
  4 V_LastName VARCHAR2(30) := '&LName';
  5 V_DOB
                       DATE := '&DateOfBirth';
  6 BEGIN
  7 DBMS_OUTPUT.PUT_LINE('Your First Name is : '||V_FirstName);
  8 DBMS_OUTPUT.PUT_LINE('Your Middle Name is : '| | V_MiddleName);
  9 DBMS_OUTPUT.PUT_LINE('Your Last Name is : '||V_LastName);
 10 DBMS_OUTPUT.PUT_LINE('******Concatenating******');
 11 DBMS_OUTPUT.PUT_LINE('Your Full Name is : '||V_FirstName||'
'||V_MiddleName||' '||V_LastName);
 12 DBMS_OUTPUT.PUT_LINE('Your Date of Birth is : '|| V_DOB);
13 DBMS_OUTPUT.PUT_LINE('Your Were Born on : '|| TO_CHAR(V_DOB, 'Day'));
14 DBMS_OUTPUT.PUT_LINE('Your Present Age is : '|| TRUNC((SYSDATE-
V DOB)/365));
15* END;
SQL> /
Enter value for fname: Sample
Enter value for mname: Simple
Enter value for lname: Text
Enter value for dateofbirth: 12-JAN-96
Your First Name is : Sample
Your Middle Name is : Simple
Your Last Name is : Text
******Concatenating*****
Your Full Name is : Sample Simple Text
```

```
Your Date of Birth is: 12-JAN-96
Your Were Born on : Friday
Your Present Age is: 6
PL/SQL procedure successfully completed.
Wrote file afiedt.buf
  1 DECLARE
  2 V FirstName
                      VARCHAR2(30) := '&FName';
  3 V_MiddleName VARCHAR2(30) := '&MName';
  4 V_LastName VARCHAR2(30) := '&LName';
  5 V DOB
                       DATE := '&DateOfBirth';
  6 BEGIN
  7 DBMS_OUTPUT.PUT_LINE('Your First Name is : '||V_FirstName);
  8 DBMS_OUTPUT.PUT_LINE('Your Middle Name is : '| | V_MiddleName);
  9 DBMS_OUTPUT.PUT_LINE('Your Last Name is : '||V_LastName);
 10 DBMS_OUTPUT.PUT_LINE('******Concatenating******');
 11 DBMS_OUTPUT.PUT_LINE('Your Full Name is : '||V_FirstName||'
'||V_MiddleName||' '||V_LastName);
 12 DBMS_OUTPUT.PUT_LINE('Your Date of Birth is : '|| V_DOB);
 13 DBMS_OUTPUT.PUT_LINE('Your Were Born on : '|| TO_CHAR(V_DOB, 'Day'));
 14 DBMS_OUTPUT.PUT_LINE('Your Present Age is : '||
TRUNC(MONTHS_BETWEEN(SYSDATE, V_DOB)/12));
15* END;
SQL> /
Enter value for fname: Sample
Enter value for mname: Simple
Enter value for lname: Text
Enter value for dateofbirth: 12-MAR-86
Your First Name is : Sample
Your Middle Name is : Simple
Your Last Name is : Text
******Concatenating*****
Your Full Name is : Sample Simple Text
Your Date of Birth is: 12-MAR-86
Your Were Born on : Wednesday
Your Present Age is: 16
PL/SQL procedure successfully completed.
SQL> cl scr
SQL> DECLARE
  2 BEGIN
  3 NULL;
  4 DECLARE
  5 BEGIN
  6 NULL;
    EXCEPTION
  7
    WHEN OTHERS THEN
  8
  9
    NULL;
 10 END;
 11 EXCEPTION
 12 WHEN OTHERS THEN
```

```
13 NULL;
14 END;
15 /
PL/SQL procedure successfully completed.
SQL> DECLARE
 2 BEGIN
  3 NULL;
  4
    DECLARE
    BEGIN
  5
 6 NULL;
  7
               DECLARE
  8
                BEGIN
  9
               NULL;
 10
                EXCEPTION
 11
                WHEN OTHERS THEN
 12
                NULL;
13
                END;
14
                DECLARE
 15
                BEGIN
16
                NULL;
                EXCEPTION
 17
 18
                 WHEN OTHERS THEN
 19
                 NULL;
 20
                 END;
 21 EXCEPTION
 22 WHEN OTHERS THEN
 23 NULL;
 24 END;
 25 EXCEPTION
 26 WHEN OTHERS THEN
 27 NULL;
 28 END;
 29 /
PL/SQL procedure successfully completed.
SQL> ED
Wrote file afiedt.buf
 1 DECLARE
 2 BEGIN
 3 NULL;
    DECLARE
  4
  5
    BEGIN
  6
   NULL;
  7
                 DECLARE
  8
                BEGIN
  9
                 NULL;
                 EXCEPTION
 10
                 WHEN OTHERS THEN
 11
 12
                 NULL;
 13
                 END;
 14
                 DECLARE
 15
                 BEGIN
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```

```
16
                  NULL;
 17
                  EXCEPTION
 18
                  WHEN OTHERS THEN
 19
                        DECLARE
 20
                        BEGIN
 21
                        NULL;
 22
                        EXCEPTION
 23
                        WHEN OTHERS THEN
 24
                        NULL;
 25
                        END;
 26
                  NULL;
 27
                  END;
 28 EXCEPTION
 29 WHEN OTHERS THEN
 30 NULL;
 31 END;
 32 EXCEPTION
 33 WHEN OTHERS THEN
 34 NULL;
 35* END;
SQL> /
PL/SQL procedure successfully completed.
SQL> cl scr
SQL> DECLARE
  2 BEGIN
  3 NULL;
    DECLARE
  4
  5
     BEGIN
  6
     NULL;
  7
                 DECLARE
  8
                BEGIN
  9
                 NULL;
 10
                 EXCEPTION
                 WHEN OTHERS THEN
 11
 12
                 NULL;
 13
                 END;
                 DECLARE
 14
 15
                 BEGIN
 16
                NULL:
 17
                 EXCEPTION
 18
                  WHEN OTHERS THEN
 19
                        DECLARE
 20
                        BEGIN
 21
                        NULL;
 22
                        EXCEPTION
 23
                        WHEN OTHERS THEN
 24
                        NULL;
 25
                        END;
 26
                  NULL;
 27
                  END;
 28
    EXCEPTION
 29 WHEN OTHERS THEN
     NULL;
 30
```

```
31 END;
32 EXCEPTION
 33 WHEN OTHERS THEN
 34 DECLARE
 35 BEGIN
 36 NULL;
 37
               DECLARE
38
               BEGIN
 39
               NULL;
 40
               EXCEPTION
 41
               WHEN OTHERS THEN
 42
               NULL;
 43
               END;
 44
               DECLARE
 45
               BEGIN
               NULL;
 46
               EXCEPTION
 47
 48
               WHEN OTHERS THEN
 49
                    DECLARE
50
                     BEGIN
 51
                     NULL;
52
                     EXCEPTION
53
                      WHEN OTHERS THEN
 54
                      NULL;
55
                      END;
 56
               NULL;
57
                END;
58 EXCEPTION
59 WHEN OTHERS THEN
60 NULL;
61 END;
62 NULL;
63 END;
64 /
PL/SQL procedure successfully completed.
```

SQL> SPOOL OFF