

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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http://yellankisathish.com/

SQL> cl scr

```
SOL> 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);
  9 /
Your First String is : Oracle
Your Second String is : Corporation
Your Final String is : OracleCorporation
PL/SQL procedure successfully completed.
SOL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 String1 VARCHAR2(30) := 'Oracle';
  3 String2 VARCHAR2(30) := 'Corporation';
  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,
String2));
  8* END;
SQL> /
Your First String is
                     : Oracle
Your Second String is : Corporation
Your Final String is: OracleCorporation
PL/SQL procedure successfully completed.
SQL> 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 LINE ('The Sum of '||MyNumber1||' and '||MyNumber2||'
is: '||TO CHAR(MyNumber1 + MyNumber2, '999D99'));
  8 END;
  9
Your First Number is: 10
```

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..... Your Second Number is: 20 The Sum of 10 and 20 is : 30.00 PL/SQL procedure successfully completed. SOL> 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 : '||TO CHAR (MyNumber1, '99D99')); 6 DBMS OUTPUT.PUT LINE('Your Second Number is : '||TO CHAR(MyNumber2, '99D99')); 7 DBMS OUTPUT.PUT LINE('The Sum of '||TO CHAR(MyNumber1, '99D99')||' and '||TO CHAR (MyNumber2, '99D99')||' is : '||TO CHAR (MyNumber1 + MyNumber2, '999D99')); 8\* END; SQL> / Your First Number is : 10.00 Your Second Number is: 20.00 The Sum of 10.00 and 20.00 is : PL/SQL procedure successfully completed. SOL> cl scr SQL> DECLARE 2 String1 VARCHAR2(30) := '&String1'; 3 String2 VARCHAR2(30) := '&String2'; 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; 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. SOL> ED

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```
Wrote file afiedt.buf
  1 DECLARE
   String1 VARCHAR2(30);
  3 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);
  9 DBMS_OUTPUT.PUT_LINE('Your Final String is: '||String1||String2);
 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.
SOL> DECLARE
                     VARCHAR2(30) := '&FName';
  2 V FirstName
  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 Middle Name);
  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;
 16 /
Enter value for fname: Sample
Enter value for mname: Simple
Enter value for lname: Text
Enter value for dateofbirth: 25-JUN-86
Your First Name is : Sample
Your Middle Name is : Simple
Your Last Name is : Text
```

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..... \*\*\*\*\*\*Concatenating\*\*\*\*\* Your Full Name is : Sample Simple Text Your Date of Birth is: 25-JUN-86 Your Were Born on : Wednesday Your Present Age is: 32 PL/SQL procedure successfully completed. 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 DBMS\_OUTPUT.PUT\_LINE('Your First Name is : '||V\_FirstName); 7 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: 25-JUN-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: 25-JUN-86 Your Were Born on : Wednesday Your Present Age is: 32 PL/SQL procedure successfully completed. SOL> cl scr

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# Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> DECLARE 2 V Num1 NUMBER(2) := 10; --SCOPE of V Num1 Begins Here 3 BEGIN 4 --SCOPE of V Numl Continues Here As LOCAL Scope of This Block 5 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1); --Prints 10, As V Num1 is in The LOCAL Scope of This Block 6 END; --SCOPE of V Num1 Ends Here And it is Removed From The Memory The Value of V Num1: 10 PL/SQL procedure successfully completed. SQL> DECLARE 2 V Num1 NUMBER(2) := 10; --SCOPE of V Num1 Begins Here 3 BEGIN 4 -- SCOPE of V Num1 Continues Here As LOCAL Scope of This Block 5 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '| | V Num1); --Prints 10, As V Num1 is in The LOCAL Scope of This Block 6 DECLARE 7 -- SCOPE of V Num1 From Outer Block Continues Here As GLOBAL Scope To Inner Block 8 V Num2 NUMBER(2) := 20; --SCOPE of V Num2 Begins Here 9 BEGIN 10 -- SCOPE of V Num2 Continues Here As LOCAL Scope of This Block Along With V Num1 As GLOBAL Scope 11 DBMS OUTPUT.PUT LINE('The Value of V Num2 : '||V Num2); --Prints 20, As V Num2 is in The LOCAL Scope of This Block 12 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1||' : Global Value From Outer Block'); --Prints 10, As V Num1 is in The GLOBAL Scope From Outer Block To Inner Block 13 END; --SCOPE of V Num2 Ends Here And it is Removed From The Memory 14 END; --SCOPE of V Numl Ends Here And it is Removed From The Memory The Value of V Num1: 10 The Value of V Num2: 20 The Value of V Num1: 10: Global Value From Outer Block PL/SQL procedure successfully completed. SOL> DECLARE 2 V\_Num1 NUMBER(2) := 10; --SCOPE of V Num1 Begins Here 4 --SCOPE of V Numl Continues Here As LOCAL Scope of This Block 5 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1); --Prints 10, As V Numl is in The LOCAL Scope of This Block 6 DECLARE

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..... 7 -- SCOPE of V Num1 From Outer Block Continues Here As GLOBAL Scope To Inner Block 8 V Num2 NUMBER(2) := 20; --SCOPE of V Num2 Begins Here 9 BEGIN 10 --SCOPE of V Num2 Continues Here As LOCAL Scope of This Block Along With V Num1 As GLOBAL Scope DBMS OUTPUT.PUT LINE('The Value of V Num2 : '||V Num2); --Prints 20, As V Num2 is in The LOCAL Scope of This Block 12 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1||' : Global Value From Outer Block'); --Prints 10, As V Num1 is in The GLOBAL Scope From Outer Block To Inner Block 13 END; --SCOPE of V Num2 Ends Here And it is Removed From The Memory 14 DBMS OUTPUT.PUT LINE ('The Value of V Num2 : '||V Num2); 15 END; --SCOPE of V Num1 Ends Here And it is Removed From The Memory 16 / DBMS OUTPUT.PUT LINE('The Value of V Num2 : '| | V Num2); ERROR at line 14: ORA-06550: line 14, column 48: PLS-00201: identifier 'V NUM2' must be declared ORA-06550: line 14, column 1: PL/SQL: Statement ignored SQL> ED Wrote file afiedt.buf 2 V\_Num1 NUMBER(2) := 10; --SCOPE of V Num1 Begins Here 3 V Num2 NUMBER(2); 4 BEGIN 5 -- SCOPE of V Num1 Continues Here As LOCAL Scope of This Block 6 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1); --Prints 10, As V Num1 is in The LOCAL Scope of This Block 7 DECLARE 8 --SCOPE of V Num1 From Outer Block Continues Here As GLOBAL Scope To Inner Block 9 V Num2 NUMBER(2) := 20; --SCOPE of V Num2 Begins Here BEGIN 10 11 -- SCOPE of V Num2 Continues Here As LOCAL Scope of This Block Along With V Num1 As GLOBAL Scope 12 DBMS OUTPUT.PUT LINE('The Value of V Num2 : '||V Num2); --Prints 20, As V Num2 is in The LOCAL Scope of This Block 13 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1||' : Global

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14 END; --SCOPE of V Num2 Ends Here And it is Removed From The Memory

Value From Outer Block'); --Prints 10, As V Num1 is in The GLOBAL Scope

From Outer Block To Inner Block

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```
.....
 15 DBMS OUTPUT.PUT LINE('The Value of V Num2 : '||V Num2);
 16* END; --SCOPE of V Num1 Ends Here And it is Removed From The Memory
SQL> /
The Value of V Num1: 10
The Value of V Num2 : 20
The Value of V Num1: 10: Global Value From Outer Block
The Value of V Num2:
PL/SQL procedure successfully completed.
SQL> ED
Wrote file afiedt.buf
  1 DECLARE
  2 V Num1 NUMBER(2) := 10; --SCOPE of V Num1 Begins Here
  3 V Num2 NUMBER(2) := 20;
  4 BEGIN
  5 -- SCOPE of V Numl Continues Here As LOCAL Scope of This Block
  6 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V_Num1); --Prints 10,
As V Numl is in The LOCAL Scope of This Block
    DECLARE
     --SCOPE of V Num1 From Outer Block Continues Here As GLOBAL Scope
To Inner Block
 9 V Num2 NUMBER(2) := 20; --SCOPE of V Num2 Begins Here
 10 BEGIN
 11 --SCOPE of V Num2 Continues Here As LOCAL Scope of This Block Along
With V Num1 As GLOBAL Scope
DBMS OUTPUT.PUT LINE('The Value of V Num2 : '||V Num2); --Prints
20, As V Num2 is in The LOCAL Scope of This Block
13 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1||' : Global
Value From Outer Block'); -- Prints 10, As V Num1 is in The GLOBAL Scope
From Outer Block To Inner Block
 14 END; --SCOPE of V Num2 Ends Here And it is Removed From The Memory
 15 DBMS OUTPUT.PUT LINE('The Value of V Num2 : '||V Num2);
 16* END; --SCOPE of V Num1 Ends Here And it is Removed From The Memory
The Value of V Num1: 10
The Value of V Num2 : 20
The Value of V Num1: 10: Global Value From Outer Block
The Value of V Num2 : 20
PL/SQL procedure successfully completed.
SQL> DECLARE
  2 V Num1 NUMBER(2) := 10; --SCOPE of V Num1 Begins Here
  3 BEGIN
  4 --SCOPE of V Num1 Continues Here As LOCAL Scope of This Block
```

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5 DBMS\_OUTPUT.PUT\_LINE('The Value of V\_Num1 : '||V\_Num1); --Prints 10,
As V\_Num1 is in The LOCAL Scope of This Block
6 DECLARE

- 7 --SCOPE of V\_Num1 From Outer Block Continues Here As GLOBAL Scope To Inner Block
  - 8 V Num2 NUMBER(2) := 20; --SCOPE of V Num2 Begins Here
- 9 V\_Num1 NUMBER(2) := 30; --SCOPE of V\_Num1 For Inner Block Begins Here
- 10 BEGIN
- 11 --SCOPE of V\_Num2 And V\_Num1 Continues Here As LOCAL Scope of This Block Along With V Num1 As GLOBAL Scope
- 12 DBMS\_OUTPUT\_PUT\_LINE('The Value of V\_Num2: '||V\_Num2); --Prints 20, As V Num2 is in The LOCAL Scope of This Block
- 13 DBMS\_OUTPUT.PUT\_LINE('The Value of V\_Num1 : '||V\_Num1||' : Local Value From Inner Block'); --Prints 30, As V\_Num1 is in The LOCAL Scope FDominating The V Num1 in GLOBAL Scope
- 14 END; --SCOPE of V\_Num2 And V\_Num1 of Inner Block Ends Here And it is Removed From The Memory
- 15 --DBMS\_OUTPUT.PUT\_LINE('The Value of V\_Num2 : '||V\_Num2); --Fatal! Error As V Num2 Has Lost The SCOPE
- 16 END; --SCOPE of V\_Num1 Ends Here And it is Removed From The Memory 17 /

The Value of V\_Num1 : 10
The Value of V\_Num2 : 20

The Value of  $V_{Num1}$ : 30 : Local Value From Inner Block

PL/SQL procedure successfully completed.

- SQL> <<OuterBlock>> --Block Name OR Block Header OR Block Lable
  - 2 DECLARE
  - 3 V Num1 NUMBER(2) := 10; --SCOPE of V Num1 Begins Here
  - 4 BEGIN
  - 5 --SCOPE of V Num1 Continues Here As LOCAL Scope of This Block
- 6 DBMS\_OUTPUT.PUT\_LINE('The Value of V\_Num1 : '||V\_Num1); --Prints 10, As V Num1 is in The LOCAL Scope of This Block
  - 7 <<InnerBlock>> --Block Name OR Block Header OR Block Lable
  - 8 DECLARE
- 9 --SCOPE of V\_Num1 From Outer Block Continues Here As GLOBAL Scope To Inner Block
- 10 V Num2 NUMBER(2) := 20; --SCOPE of V Num2 Begins Here
- 11 V\_Num1 NUMBER(2) := 30; --SCOPE of V\_Num1 For Inner Block Begins Here
- 12 BEGIN
- 13 --SCOPE of  $V_Num2$  And  $V_Num1$  Continues Here As LOCAL Scope of This Block Along With  $V_Num1$  As GLOBAL Scope
- 14 DBMS\_OUTPUT\_LINE('The Value of V\_Num2 : '||V\_Num2); --Prints 20, As V Num2 is in The LOCAL Scope of This Block

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15 DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||V Num1||' : Local Value From Inner Block'); -- Prints 30, As V Num1 is in The LOCAL Scope FDominating The V Num1 in GLOBAL Scope DBMS OUTPUT.PUT LINE('The Value of V Num1 : '||OuterBlock.V\_Num1||' : Global Value From Outer Block'); --Prints 10, As V\_Num1 From The GLOBAL Scope is Qualified With Block Name Extending Visibility 17 END InnerBlock; -- SCOPE of V Num2 And V Num1 of Inner Block Ends Here And it is Removed From The Memory 18 --DBMS OUTPUT.PUT LINE('The Value of V Num2 : '||V Num2); --Fatal! Error As V Num2 Has Lost The SCOPE 19 END OuterBlock; --SCOPE of V Num1 Ends Here And it is Removed From The Memory 20 / The Value of V Num1 : 10 The Value of V Num2: 20 The Value of V Num1: 30: Local Value From Inner Block

PL/SQL procedure successfully completed.

The Value of V Num1: 10: Global Value From Outer Block

SQL> SPOOL OFF

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