Annoucing New Batch

ORACLE 11g (SQL, PL/SQL)
(With Industry Oriented Problem Solution Approach)

Sathish Yellanki
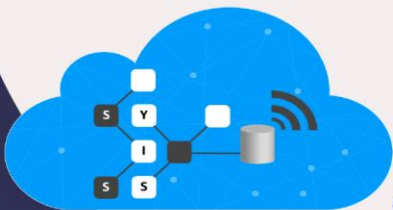
Batch Starts on 25th June 2018
Time: 9am-10am
(Class Room and On-Line)

HIGHLIGHTS OF THE COURSE

Full Coverage On Sub-Queries.
Building Indexes For Performance.
Data Warehouse Using OLAP Queries.
Understanding PL/SQL Collections.
Control Structures in PL/SQL.
Business Transactions With Cursors.

For Registration Contact
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```
SQL> cl scr

SQL> SEL:ECT
SP2-0042: unknown command "SEL:ECT" - rest of line ignored.
SQL> cl scr

SQL> SELECT Ename, Job, Sal, Comm
  2  FROM Emp
  3  WHERE Job = 'CLERK';

ENAME       JOB              SAL        COMM
---------- --------- ---------- ----------
JAMES      CLERK            950
SMITH      CLERK            800
ADAMS      CLERK           1100
MILLER     CLERK           1300

SQL> UPDATE Emp
  2  SET Comm = NULL
  3  WHERE Job = 'CLERK';

4 rows updated.

SQL> SELECT Ename, Job, Sal, Comm
  2  FROM Emp
  3  WHERE Ename = 'ALLEN';

ENAME       JOB              SAL        COMM
---------- --------- ---------- ----------
ALLEN      SALESMAN        1600         300

SQL> UPDATE  Emp
  2  SET
  3   Job = 'MANAGER',
  4   Sal = 2500,
  5   Deptno = 10
  6  WHERE Ename = 'ALLEN';

1 row updated.

SQL> SELECT Ename, Job, Sal, Comm
  2  FROM Emp
  3  WHERE Ename = 'ALLEN';

ENAME       JOB              SAL        COMM
---------- --------- ---------- ----------
```

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………

```
ALLEN        MANAGER       2500        300

SQL> ROLLBACK;

Rollback complete.

SQL> SELECT Ename, Job, Sal, Comm
  2  FROM Emp
  3  WHERE Ename = 'ALLEN';

ENAME        JOB           SAL        COMM
---------- --------- ---------- ----------
ALLEN        SALESMAN      1600        300

SQL> cl scr

SQL> SELECT Ename, Job, Sal, Comm
  2  FROM Emp
  3  WHERE Ename = 'BLAKE';

ENAME        JOB           SAL        COMM
---------- --------- ---------- ----------
BLAKE        MANAGER       2850

SQL> UPDATE Emp
  2  SET
  3   Job = 'ANALYST',
  4   Sal = Sal + 1000
  5  WHERE Ename = 'BLAKE';

1 row updated.

SQL> SELECT Ename, Job, Sal, Comm
  2  FROM Emp
  3  WHERE Ename = 'BLAKE';

ENAME        JOB           SAL        COMM
---------- --------- ---------- ----------
BLAKE        ANALYST       3850

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> UPDATE Emp
```

```
  2  SET Sal = Sal * 1.10
  3  WHERE Deptno =
  4   (
  5   SELECT Deptno
  6   FROM Dept
  7   WHERE Loc = 'CHICAGO'
  8   );

6 rows updated.

SQL> UPDATE Emp
  2  SET Deptno =
  3   (
  4   SELECT Deptno
  5   FROM Emp
  6   WHERE Empno = 7788
  7   )
  8  WHERE Job =
  9   (
 10   SELECT Job
 11   FROM Emp
 12   WHERE Empno = 7788
 13   );

2 rows updated.

SQL> UPDATE Emp
  2  SET
  3  (Job, Deptno) =
  4   (
  5   SELECT Job, Deptno
  6   FROM Emp
  7   WHERE Empno = 7499
  8   )
  9  WHERE Empno = 7698;

1 row updated.

SQL> UPDATE Emp E1
  2  SET Deptno =
  3   (
  4   SELECT Deptno
  5   FROM Dept
  6   WHERE Loc = 'DALLAS'
  7   ),
  8  (Sal, Comm) =
  9   (
```

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```
 10   SELECT
 11   1.1 * AVG(Sal),
 12   1.5 * AVG(Comm)
 13   FROM Emp E2
 14   WHERE E2.Deptno = E1.Deptno
 15   )
 16   WHERE Deptno IN
 17   (
 18   SELECT Deptno
 19   FROM Dept
 20   WHERE Loc = 'NEW YORK' OR Loc = 'BOSTON'
 21   );

3 rows updated.

SQL> cl scr

SQL> ROLLBACK;

Rollback complete.

SQL> CREATE TABLE SampTab
  2   (
  3    SampID NUMBER(2)
  4    DEFAULT 99,
  5    SampName VARCHAR2(15)
  6    DEFAULT 'NOT GIVEN',
  7    SampDate DATE
  8    DEFAULT SYSDATE
  9   );

Table created.

SQL> INSERT INTO SampTab VALUES(1, 'SAMPLE01', '01-JUN-18');

1 row created.

SQL> INSERT INTO SampTab(SampID, SampDate) VALUES(2, '02-JUN-18');

1 row created.

SQL> SELECT * FROM SampTab;

    SAMPID SAMPNAME        SAMPDATE
---------- --------------- ----------
         1 SAMPLE01        01-JUN-18
         2 NOT GIVEN       02-JUN-18
```

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```
SQL> UPDATE SampTab
  2  SET SampID = DEFAULT,
  3  SampName = DEFAULT,
  4  SampDate = DEFAULT
  5  WHERE SampID = 1;

1 row updated.

SQL> SELECT * FROM SampTab;

    SAMPID SAMPNAME        SAMPDATE
---------- --------------- ----------
        99 NOT GIVEN       19-JUN-18
         2 NOT GIVEN       02-JUN-18

SQL> cl scr

SQL> ROLLBACK;

Rollback complete.

SQL> cl scr

SQL> SELECT Ename, Deptno, Sal
  2  FROM Emp
  3  WHERE Deptno = 10;

ENAME          DEPTNO        SAL
---------- ---------- ----------
KING               10       5000
CLARK              10       2450
MILLER             10       1300

SQL> SELECT Deptno, SUM(Sal)
  2  FROM Emp
  3  WHERE Deptno = 10
  4  GROUP BY Deptno;

    DEPTNO   SUM(SAL)
---------- ----------
        10       8750

SQL> UPDATE Emp
  2  SET Sal = Sal + 1000
  3  WHERE Deptno = 10;
```

```
3 rows updated.

SQL> SELECT Deptno, SUM(Sal)
  2  FROM Emp
  3  WHERE Deptno = 10
  4  GROUP BY Deptno;

    DEPTNO    SUM(SAL)
---------- ----------
        10       11750

SQL> ROLLBACK;

Rollback complete.

SQL> VARIABLE BDept10Sum NUMBER
SQL> UPDATE Emp
  2  SET Sal = Sal + 1000
  3  WHERE Deptno = 10
  4  RETURNING SUM(Sal) INTO :BDept10Sum;

3 rows updated.

SQL> PRINT BDept10Sum

BDEPT10SUM
----------
     11750

SQL> SELECT :BDept10Sum FROM DUAL;

:BDEPT10SUM
-----------
      11750

SQL> VARIABLE BDept10Avg NUMBER
SQL> UPDATE Emp
  2  SET Sal = Sal + 1000
  3  WHERE Deptno = 10
  4  RETURNING SUM(Sal), AVG(Sal) INTO :BDept10Sum, :BDept10Avg;

3 rows updated.

SQL> PRINT BDept10Sum

BDEPT10SUM
----------
```

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....

```
     14750

SQL> PRINT BDept10Avg

BDEPT10AVG
----------
4916.66667

SQL> SELECT :BDept10Sum, :BDept10Avg FROM DUAL;

:BDEPT10SUM :BDEPT10AVG
----------- -----------
      14750  4916.66667

SQL> SPOOL OFF
```