ORACLE sql

**USE ‘execute immediate’ to apply a query result to a variable:**

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Declare     
str   varchar2(100);   
record     number;   
begin   
    str:= 'select count(\*)  from  bookinfo';   
    execute   immediate   str into record;   
end ;

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**Define, set and Bind variable:**

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Declare

var01 varchar2(100);

Begin

var01:= ‘test’;

Select VALUE INTO var01 FROM tb\_name where cl\_name = ‘vcin';

execute immediate ‘Select VALUE FROM tb\_name where cl\_name = ‘vcin'’ INTO var01;

execute immediate 'update tb\_name set cl\_name=:1'

using var01;

execute immediate 'update tb\_name set cl\_name= ‘||var01 ||’';

execute immediate 'update tb\_name set cl\_name = ‘’’||’string01 ‘||’’’';

End;

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**Define whether the table existed, if yes, drop it:**

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Declare

vCount number;

Begin

select count(\*) into vCount from user\_tables where table\_name=’xxx';

if vCount >0 then

execute immediate 'drop table xxx';

end if;

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**Output variable:**

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dbms\_output.put\_line(var\_name);

see the above command output with following setting:

sql develop: View ->Dbms Output-> click ‘plus’ icon->choose db.

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**Query current user tables:**

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select count(\*)from user\_tables where table\_name LIKE '%TMP%';

SELECT \* from user\_tables where table\_name LIKE '%TMP%';

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**Query all user tables with system user:**

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select \* from dba\_tab\_columns;

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**Grant/revoke other user the right to query table ‘dba\_tab\_columns’:**

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grant select on dba\_tab\_columns to otherUser; (login with dba)

revoke select on dba\_tab\_columns to otherUser;

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**CpuMhz=cpuhz/1000/1000 (cast string to numeric: cast(‘string’ as numeric)**

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cast(cast(CPU\_HZ as numeric)/1000/1000 as numeric) AS CpuMhz

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**Substr(), length(): (600 ->6.0.0)**

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VCenterServerVerID :=’600’;

verIDLen := length(VCenterServerVerID);

i :=1;

formatedVERID := substr(VCenterServerVerID,i,1);

Loop

i :=i+1;

EXIT WHEN i>verIDLen;

formatedVERID := formatedVERID||'.'||SUBStr(VCenterServerVerID,i,1);

end Loop;

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1. Create a new empty table: CREATE table tb\_name (cln1 cln1Type, cln2 cln2Type)
2. Create a new tb\_name with copying data from other\_tb:

Create table tb\_name as select \* from other\_tb;

1. Create a new empty tb\_name with other\_tb structure:

Create table tb\_name as (select \* from other\_tb where 1==2);

1. Empty all data of a tb\_name: truncate table tb\_name;
2. Drop a tb\_name: drop table tb\_name;
3. Rename a table name: rename tb\_name to tbn;
4. **Copy data from other\_tb to existed tbn:**

INSERT INTO tbn (a,b,c,d)

SELECT

other\_tb.a AS a,

other\_tb.b AS b,

other\_tb.c AS c,

'0' AS d

FROM other\_table;

1. Add column: alter table tbn add (cln3 cln3Type);
2. Modify column attribute: alter table tbn modify (cln3 newType);
3. Update column: update tbn set cln3=’XXX’;
4. Rownum: select rownum, cln1 from tbn where rownum <=5; (print 1-5 row data)
5. Order by (desc/asc);
6. Count(), min(), max(), avg(), Substr(), length();
7. cast(‘string’ as numeric)

**About cursor:**

192.168.8.152 datastore1

192.168.8.152 datastore2

192.168.9.100 datastore1

192.168.9.100 datastore2

192.168.8.152 datastore1; datastore2

192.168.9.100 datastore1; datastore2

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declare

cursor hostSt is select distinct HOST\_NAME from TMP\_HostStore;

stores varchar(1024);

stHostName varchar2(1024);

stCount int;

Begin

open hostSt;

Loop

fetch hostSt into stHostName;

EXIT WHEN hostSt%notfound;

declare cursor STORE is select distinct DS\_NAME from TMP\_HostStore where HOST\_NAME= stHostName;

stores varchar(1024);

stcount NUMBER(20);

stname varchar(300);

begin

stcount:=0;

open STORE;

loop

fetch STORE INTO stname;

exit when STORE%notfound;

stcount:=stcount+1;

if stcount=1 then

stores :=stname;

else

stores := stores ||';' || stname;

end if;

end loop;

close STORE;

dbms\_output.put\_line(stores);

insert into TMP\_HostStores values(stHostName,stores);

end;

end loop;

close hostSt;

end;

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