

- [Check DB Connection](#)
- [???? Tables ???](#)

**SHELL??**

?????????

```
SQL> set heading off
SQL> set feedback off
SQL> set pagesize 0
```

```
# sqlplus -s user/pass @my.sql
```

**?? SQL**

```
SQL> show user
SQL> conn system/pass
SQL> r          ?????SQL
SQL> /          ?????SQL
SQL> @?/rdbms/xxx.sql @ ?????SQL?, ? Oracle_HOME
SQL> !ls        ! ??Linux ???
SQL> set timing on ??SQL?????
SQL> Rem This is a comment ?????
SQL> l          ????? SQL ??, ??????????
SQL> 3          ??? SQL ?????3?
SQL> 3 where status='INVALID'   ???3??? where status='INVALID'
SQL> c/INVALID/VALID/          ??????? INVALID ??? VALID, c = change
```

**SQL/Plus ????**

```
set pagesize 60 -- ??????????24,????????????0, ??0, ??????????
set linesize 350 -- ?????(????????????)
set wrap off -- ???
set space 1 -- ??????space
set echo on -- Show SQL??????
col tablespace_mb heading 'TABLESPACE|TOTAL MB' -- ???????????
```

????

```
set termout off --????????????
set trimout on --????????????
set trimspace on --??????
```

```
Select ??A||'?'|| replace(??B ,CHR(10),CHR(13))||'?' from ??? where ??B is not null order by ??A;
```

TIPs:

```
????B ??????^p????????????^l
```

```
^p, ^l?word ???ASCII????CHR(10),CHR(13)
```

```
??A???B???????
```

```
?? TAB ??????
```

```
set colsep "|"
```

```
set tab off
```

## SQL Language

```
????
```

```
var tbs_source varchar2(50);
```

```
var tbs_dest varchar2(50);
```

```
var schema_user varchar2(50);
```

```
exec :tbs_source := 'SOURCE_TBS';
```

```
exec :schema_user := 'SOURCE_USER';
```

```
exec :tbs_dest := 'DEST_TBS';
```

```
select 'Transporting tablespace ' || :tbs_source || ' or user ' || :schema_user || ' to tablespace ' || :tbs_dest from dual;
```

```
????
```

```
-- ??
```

```
chr(10)
```

```
????
```

```
-- ????
```

```
/* ????
```

```
?? */
```

```
??????
```

reference to undefined name 'syntax' Exception of type

'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

?? Index ???

```
???sqlplus -s system/manager @get_idx_name.sql | tee idx_names.lst
```

- ????????????
- ?? where ??????? Owner ??? Indexes?

get\_idx\_names.sql?

reference to undefined name 'syntax' Exception of type  
'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

### Tablespace

???? ??????

```
CREATE TABLESPACE "STDB"
  DATAFILE '/opt/oracle/oradata/win/STDB01.dbf' SIZE 1000M
  EXTENT MANAGEMENT LOCAL
  SEGMENT SPACE MANAGEMENT AUTO
  ;
```

???? datafile \*??\*

```
create tablespace CWTEST
  datafile '/opt/oracle/oradata/topprod/cwtest_01.dbf' size 1024M
  extent management local
  segment space management auto;
```

```
alter tablespace CWTEST
  add datafile '/opt/oracle/oradata/topprod/cwtest_02.dbf' size 1024M;
```

???????????????? datafile , ?? autoextend

```
CREATE TABLESPACE "STDB"
  DATAFILE '/opt/oracle/oradata/win/STDB01.dbf' SIZE 1000M
  AUTOEXTEND ON NEXT 10M MAXSIZE 30000M
  EXTENT MANAGEMENT LOCAL
  SEGMENT SPACE MANAGEMENT AUTO
  ;
```

?? datafile?

```
ALTER TABLESPACE STDB
  ADD DATAFILE
  '/opt/oracle/oradata/win/STDB02.dbf' SIZE 1000M
  AUTOEXTEND ON NEXT 10M MAXSIZE 30000M,
  '/opt/oracle/oradata/win/STDB03.dbf' SIZE 1000M
  AUTOEXTEND ON NEXT 10M MAXSIZE 30000M,
  '/opt/oracle/oradata/win/STDB04.dbf' SIZE 1000M
  AUTOEXTEND ON NEXT 10M MAXSIZE 30000M
  ;
```

?? Tablespace?

-- ?? Tablespace ??????

```
select owner,segment_name,segment_type
from dba_segments
where tablespace_name='<name of tablespace>';
```

```
-- ?? datafile
select file_name, tablespace_name
from dba_data_files
where tablespace_name = '<name of tablespace>';
```

```
-- ??? Tablespace
drop tablespace <tablespace-name> including contents;
drop tablespace <tablespace-name> including contents and datafiles;
```

Temporary Tablespace

?? Temporary Tablespace

```
create temporary tablespace WIN_TMP
  tempfile '/u2/oradb/oradata/topdev/WIN_TMP.dbf' size 20000M
  autoextend on
  ;
```

?? datafile?

```
alter tablespace TEMP add tempfile '/opt/oracle/oradata/oddfdc/temp01.dbf';
```

?? Temporary ? datafile?

```
alter tablespace TEMP drop tempfile '/opt/oracle/oradata/oddfdc/temp01.dbf';
```

?? Tablespace ???

NOTE: ??????????????

```
alter tablespace <tablespace-name> read only;
```

-- ???????

```
alter tablespace <tablespace-name> read write;
```

### DB Parameters

Check DB parameter

Method 1:

```
show parameters
show parameters sga
show parameters sga_target
```

Method 2:

```
col name for A20
col value for A15
col type for A15
col issys_modifiable for A15
SELECT name, value, type, issys_modifiable FROM v$parameter WHERE name like '%sga%';
```

TIPS:

```
ISSYS_MODIFIABLE
- FALSE, need to restart DB
- IMMEDIATE, no need to restart DB
```

### Change SGA size to 4G

```
--Backup old spfile first
show parameters spfile
CREATE pfile='/path/to/pfile.tmp' FROM spfile='/path/to/spfile.ora'
CREATE spfile='/path/to/spfile.ora.20140313' FROM pfile='/path/to/pfile.tmp'
```

```
alter system set sga_max_size=4096M scope=spfile;
alter system set sga_target=4096M scope=spfile;
```

```
shutdown immediate;
startup;
```

TIPS:

you must first increase the SGA\_MAX\_SIZE otherwise will get the following error

```
ERROR at line 1:
ORA-02097: parameter cannot be modified because specified value is invalid
ORA-00823: Specified value of sga_target greater than sga_max_size
```

### Check active sessions

```
-- Top 10 CPU consumers in last 5 minutes
SELECT * FROM
(
SELECT session_id, session_serial#, count(*)
FROM v$active_session_history
WHERE session_state= 'ON CPU' AND
sample_time > sysdate - interval '5' minute
GROUP BY session_id, session_serial#
ORDER BY count(*) desc
```

```
)
WHERE rownum <= 10;
```

-- Top 10 waiting sessions in last 5 minutes

```
SELECT * FROM
(
SELECT session_id, session_serial#, count(*)
FROM v$active_session_history
WHERE session_state='WAITING' AND
      sample_time > sysdate - interval '5' minute
GROUP BY session_id, session_serial#
ORDER BY count(*) DESC
)
WHERE rownum <= 10;
```

?????(VIEW,PACKAGE,PROCEDURE...) status

reference to undefined name 'syntax' Exception of type  
'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

OWNER	OBJECT_NAME	OBJECT_TYPE
WINSTDB	PROC_FDS_700982	VIEW
WINSTDB	V_PROCDEF_FDS_700982	VIEW
WINSTDB	PROCAVG_FDS_700982	VIEW
WINSTDB	V_PROCDEFAVG_FDS_700982	VIEW
WINSTDB	PROC_FDS_700984	VIEW
WINSTDB	V_PROCDEF_FDS_700984	VIEW
WINSTDB	PROCAVG_FDS_700984	VIEW
WINSTDB	V_PROCDEFAVG_FDS_700984	VIEW
WINSTDB	PROC_FDS_701631	VIEW
WINSTDB	V_PROCDEF_FDS_701631	VIEW
WINSTDB	PROCAVG_FDS_701631	VIEW

### Check the usage of the temporary tablespaces

By tablespace:

reference to undefined name 'syntax' Exception of type  
'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

TABLESPACE	MB_TOTAL	MB_USED	MB_FREE
TMP_CDB	500	3	497
TMP_STDB	1000	0	1000
TEMP	75	0	75

By session:

reference to undefined name 'syntax' Exception of type  
'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

As you can see, there are different segment types. Most of time, SORT is the one we need to check. If you are lucky enough, or the client only have 1 SQL cursor, you will get the SQL hash value in the above result.

reference to undefined name 'syntax' Exception of type

'MindTouch.Deki.Script.Runtime.DekiScriptUndefinedNameException' was thrown. (click for details)

- sid =
- PARSING\_SCHEMA\_NAME =

HASH_VALUE	SORTS	ROWS_PROCESSED/EXECUTIONS
------------	-------	---------------------------

887856235	30506	.000196676
2631006892	30227	.001323276
3490377209	632	46993.6709 <==