- [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 trimspool 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
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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
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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
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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 <==
```