

```

/*
#####
### SQL= Build Optimizer bugfix test
### PURPOSE = This script accepts optimizer_feature_version
### and generates another script called "optimizer_bugfix_test.sql"
### to test bugfixes for given sql.
###
### Generated script will first set optimizer to the given
### optimizer_feature version then DISABLE/ENABLE 1 bugfix from given
### optimizer_feature_version at a time and run the test.sql
### and capture the plan_hash_value &optimizer_feature
### and ENABLE/DISABLE it again. this enable-run-disable operation
### will be done for all bugfixes for given
optimizer_feature_version
###
###
###
### Author: Coskan Gundogar
### Date : 19/01/11
### Update Log:
###
###
###
###
*/
--select distinct optimizer_feature_enable from v$system_fix_control
order by to_number(replace(optimizer_feature_enable,','));

undefine optimizer_feature_version
set heading off
set feedback off
define optimizer_feature="&optimizer_feature_version"
set term off
spool optimizer_bugfix_test.sql
select 'set feedback off' from dual;
select 'set heading off' from dual;
select 'set term off' from dual;
select 'set echo off' from dual;
select 'spool optimizer_bugfix_test_results.log' from dual;
select 'drop table bugfix_table purge;' from dual;
select 'create table bugfix_table (bugfix number,plan_hash_value
varchar2(20));' from dual;
select 'alter session set
optimizer_features_enable=''&optimizer_feature'';' from dual;
select 'alter session set
"_fix_control"=''||bugno||decode(value,1,':OFF'',':ON'')||'; '
||chr(10)||'@test.sql' ||chr(10)||
'insert into bugfix_table values ('||bugno||',(select

```

```
substr(plan_table_output,18,12) from (select * from
table(dbms_xplan.display_cursor)) where plan_table_output like
'Plan hash value:%');'||chr(10)||
'alter session set
"_fix_control"=''||bugno||decode(value,1,':ON'',':OFF'')||'; '
from v$system_fix_control
where optimizer_feature_enable='&optimizer_feature' and value in
(1,0) order by bugno;
select 'set term on' from dual;
select 'set feedback on' from dual;
select 'set heading on' from dual;
select 'break on plan_hash_value' from dual;
select 'select plan_hash_value,bugfix from bugfix_table order by 1;'
from dual;
select 'spool off' from dual;
spool off
set feedback on
set heading on
set term on
```