Function-Based PDF

oralce
source:Create Index
IDX_T_SP_TWOTYPESTAT_0_f On
T_SP_TWOTYPESTAT_0(f_dateadd(yearmonth,12,2)). err:the
function is not deterministic. ?
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16 10):CREATE OR REPLACE FUNCTION
h2ten (p_str IN VARCHAR2, p_from_base IN NUMBER
DEFAULT 16) RETURN NUMBER IS l_num NUMBER
DEFAULT 0. l_hex VARCHAR2 (16) DEFAULT
0123456789ABCDEF.BEGIN FOR i IN 1 .. LENGTH (p_str)
LOOP l_num := l_num * p_from_base INSTR (l_hex, UPPER
(SUBSTR (p_str, i, 1))) - 1. END LOOP. RETURN l_num.END
h2ten. , :SQL> create table t as
0select username,a hex from dba_users.Table createdSQL> create
index i_t on t (h2ten(hex)).create index i_t on t
(h2ten(hex))ORA-30553: The function is not deterministic
deterministic
:CREATE OR REPLACE FUNCTION h2ten (p_str IN
VARCHAR2, p_from_base IN NUMBER DEFAULT 16)
RETURN NUMBER DETERMINISTICIS l_num NUMBER
DEFAULT 0. l_hex VARCHAR2 (16) DEFAULT
0123456789ABCDEF.BEGIN FOR i IN 1 .. LENGTH (p_str)

LOOP l_num := l_num * p_from_base INSTR (l_hex, UPPER (SUBSTR (p_str, i, 1))) - 1. END LOOP. RETURN l_num.END h2ten.   : SQL> create index i_t on t (h2ten(hex)).Index created Oracle   :The hint DETERMINISTIC helps the optimizer avoid redundant function calls. If a stored function was called previously with the same arguments, the optimizer can elect to use the previous result. The function result should not depend on the state of session variables or schema objects. Otherwise, results might vary across calls. Only DETERMINISTIC functions can be called from a function-based index or a materialized view that has query-rewrite enabled. 100Test