

浅谈Oracle性能优化可能出现的问题Oracle认证考试 PDF转换  
可能丢失图片或格式，建议阅读原文

[https://www.100test.com/kao\\_ti2020/565/2021\\_2022\\_\\_E6\\_B5\\_85\\_E8\\_B0\\_88Orac\\_c102\\_565769.htm](https://www.100test.com/kao_ti2020/565/2021_2022__E6_B5_85_E8_B0_88Orac_c102_565769.htm) 笔者在看Oracle性能优化一书时，讲到用exists替代in,用表链接替代exists，关于前者，一般效果比较明显，exists效率明显比in高，但是如果要想表连接的效率比exists高，必须在from子句中，将记录多的表放在前面，记录少的表放后面。关于0select... bulk collect into ... limit ...或fetch... bulk collect into ... limit ...句型：在使用如上句型时，通常我们都会用for或forall循环进行insert/0update/0delete操作。for/forall循环方法有好几种，如第1种：for tp in tmp.FIRST.. tmp.LAST loop .... end loop. 第2种：for tp in 1 .. tmp.COUNT loop .... end loop. 第3种：for tp in indecs of tmp loop .... end loop. 上面的第1种方法有一个致使的弱点，就是在0select... bulk collect into ... limit ...或fetch... bulk collect into ... limit ...没有取到数据时，如果没有exit，则第一种方法会报错：ORA-06502: PL/SQL: numeric or value error。因为tmp.FIRST访问不存在，为空值。必须对错误进行错误处理。而在嵌套的循环中，内层的循环是不能用exit的，所有必然遇到这种错误。第2种方法不会出现这种问题，第3种方法没有试过。借鉴网上的做法，给出一种使用绑定变量的批量删除数据的存储过程：PROCEDURE RemoveBat2DjaRecords(参数) AS type RowIdArray is table of rowid index by binary\_integer. rowIds RowIdArray. BEGIN loop 0select rowid BULK COLLECT into rowIds from 表名 where 查询条件 and rownum gt. BEGIN 2 gt. 3 FOR v\_outerloopcounter IN 1..2 LOOP 4 gt. 5 FOR

```

v_innerloopcounter IN 1..4 LOOP 6
DBMS_OUTPUT.PUT_LINE( ' Outer Loop counter is ' 7 ||
v_outerloopcounter || 8 ' Inner Loop counter is ' ||
v_innerloopcounter). 9 EXIT WHEN v_innerloopcounter = 3. 10
END LOOP innerloop. 11 END LOOP outerloop. 12 END. 13 /
Outer Loop counter is 1 Inner Loop counter is 1 Outer Loop
counter is 1 Inner Loop counter is 2 Outer Loop counter is 1 Inner
Loop counter is 3 Outer Loop counter is 2 Inner Loop counter is 1
Outer Loop counter is 2 Inner Loop counter is 2 Outer Loop
counter is 2 Inner Loop counter is 3 PL/SQL procedure successfully
completed. 从上面可以看出，普通情况下，exit只跳出当前层的
的循环。 SQL> 5 FOR v_innerloopcounter IN 1..4 LOOP 6
DBMS_OUTPUT.PUT_LINE( ' Outer Loop counter is ' 7 ||
v_outerloopcounter || 8 ' Inner Loop counter is ' ||
v_innerloopcounter). 9 EXIT outerloop WHEN
v_innerloopcounter = 3. 10 END LOOP innerloop. 11 END LOOP
outerloop. 12 END. 13 / Outer Loop counter is 1 Inner Loop
counter is 1 Outer Loop counter is 1 Inner Loop counter is 2 Outer
Loop counter is 1 Inner Loop counter is 3 PL/SQL procedure
successfully completed. 从上面可以看出，exit跳出了外层的循
环。 更多优质资料尽在百考试题论坛 百考试题在线题库
oracle/认证更多详细资料 100Test 下载频道开通，各类考试题
目直接下载。 详细请访问 www.100test.com

```