

如何在Oracle中使用游标来实现多重循环 PDF转换可能丢失图片或格式，建议阅读原文

[https://www.100test.com/kao\\_ti2020/292/2021\\_2022\\_\\_E5\\_A6\\_82\\_E4\\_BD\\_95\\_E5\\_9C\\_A8O\\_c67\\_292226.htm](https://www.100test.com/kao_ti2020/292/2021_2022__E5_A6_82_E4_BD_95_E5_9C_A8O_c67_292226.htm) create or replace

```
package PSH_GPRSSTREAMSTAT is -- Author :
```

```
ADMINISTRATOR -- Created : 2004-12-8 10:56:01 -- Purpose :
```

```
GPRS流量统计状态 -- 统计GPRS流量 type C_Cur is ref cursor.
```

```
function Calcu_GPRSSTREAM return number. end
```

```
PSH_GPRSSTREAMSTAT.
```

```
-----  
----- create or replace package body PSH_GPRSSTREAMSTAT is  
function Calcu_GPRSSTREAM return number is
```

```
c_IPPackHeadLen constant number := 40. -- 定义IP包头长度
```

```
CURSOR c_SPINFO is 0select distinct spid from sh_spinfo where  
isactive = ' ' 0 ' ' . c_MDTINFO C_Cur . v_MDTINFO
```

```
number. v_UpTransContentLens number(20,0). -- 存放当前GPRS
```

```
终端上传转发的信息内容长度 v_UpContentLens number(20,0).
```

```
v_UpTotalLens number(20,0). -- 累计GPRS终端上传的信息内容
```

```
长度 v_DownContentLens number(20,0). v_DownTotalLens
```

```
number(20,0). newID number(20,0). begin -- 初始化 0select
```

```
max(statid) into newID from sh_gprsstreamstat. if (newID is null)
```

```
then newID := 1. end if. for v_SPINFO In c_SPINFO loop -- 首先
```

```
获取SPID -- 其次遍历出与当前SPID对应的所有MDT open
```

```
c_MDTINFO for 0select distinct mdtid from sh_mdtinfo where
```

```
(isactive = ' ' 0 ' ' ) and (spid = v_SPINFO.spid). loop fetch
```

```
c_MDTINFO into v_MDTINFO. exit when
```

```

c_MDTINFO%notfound. v_UpContentLens := 0.
v_UpTransContentLens := 0. v_UpTotalLens := 0.
v_DownContentLens := 0. v_DownTotalLens := 0. -- 下面两个select语句是用来获得GPRS终端上传的信息流量
select sum(length (content) c_IPPackHeadLen) into v_UpContentLens
from sh_gprsmdtupinfo where (MDTID = v_MDTINFO) and (spid = v_SPINFO.spid) .
select sum(length (content) c_IPPackHeadLen) into v_UpTransContentLens from
sh_gprsmdttransinfo where (issuccess = ' ' 1 ' ' ) and (MDTID = v_MDTINFO) and (spid = v_SPINFO.spid) .
if (v_UpContentLens is null) then v_UpContentLens := 0. end if.
if (v_UpTransContentLens is null) then v_UpTransContentLens := 0. end if.
v_UpTotalLens := v_UpTotalLens v_UpContentLens v_UpTransContentLens. -- 下面的Select语句是用来获得服务商下发的信息流量
select sum(length (content) c_IPPackHeadLen) into v_DownContentLens from sh_gprsspdninfo where (MDTID = v_MDTINFO) and (spid = v_SPINFO.spid) .
if (v_DownContentLens is null) then v_DownContentLens := 0. end if.
v_DownTotalLens := v_DownTotalLens v_DownContentLens .
-- 将统计出的累计值存放流量状态统计表中
if (v_UpTotalLens >0) or (v_DownTotalLens > 0) then insert into sh_gprsstreamstat
(statid,spid,mdtid,starttime,endtime,mdtupstream,spdndstream)
values(newID,v_SPINFO.spid,v_MDTINFO,sysdate,sysdate,v_UpTotalLens,v_DownTotalLens). -- 自增量加1
newID := newID 1.
end if. end loop. close c_MDTINFO. commit. end loop. return 1.

```

end. begin null. end PSH\_GPRSSTREAMSTAT. 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](http://www.100test.com)