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| TP paquetage |
| Compte-rendu de bd |

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| BOURG / LAYADI  26/09/2016 |

Package:

create or replace package pksorties

is

function les\_minibus return number;

function affectations\_minibus(numero sortie.nosortie%type) return number;

end pksorties;

Corps du package:

create or replace PACKAGE BODY PKSORTIES AS

type type\_tabminibus is table of

minibus%rowtype index by

binary\_integer;

v\_tabminibus type\_tabminibus;

function les\_minibus return number AS

v\_nbminibus number(2) := 0;

v\_message varchar2(255);

v\_sqlcode number;

BEGIN

for enr\_minibus in (select \* from minibus order by capacite desc)

loop

v\_nbminibus := v\_nbminibus + 1;

v\_tabminibus(v\_nbminibus).nominibus := enr\_minibus.nominibus;

v\_tabminibus(v\_nbminibus).capacite := enr\_minibus.capacite;

end loop;

RETURN v\_nbminibus;

EXCEPTION

when others then

v\_message := SQLERRM;

v\_sqlcode := SQLCODE;

insert into erreurs values (v\_message || v\_sqlcode || TO\_CHAR(SYSDATE, 'YYYY-MM-DD HH24:MI:SS'));

return -1;

END les\_minibus;

function affectations\_minibus(numero sortie.nosortie%type) return number AS

v\_message varchar2(255);

v\_sqlcode number;

v\_denomMinibus number(2);

v\_nombMinibus number(2) := 1;

cursor myCursor is select noadherent from inscription\_sortie where nosortie = numero order by date\_inscription FOR UPDATE OF nominibus;

strix myCursor%rowtype;

BEGIN

v\_denomMinibus := les\_minibus;

OPEN myCursor;

FETCH myCursor into strix;

while myCursor%found and v\_nombMinibus <= v\_denomMinibus

LOOP

IF v\_tabminibus(v\_nombMinibus).capacite = 0 THEN

v\_nombMinibus := v\_nombMinibus +1;

END IF;

IF v\_denomMinibus > 0 THEN

UPDATE inscription\_sortie set nominibus = v\_tabminibus(v\_nombMinibus).nominibus where current of myCursor;

END IF;

v\_tabminibus(v\_nombMinibus).capacite := v\_tabminibus(v\_nombMinibus).capacite - 1;

FETCH myCursor into strix;

END LOOP;

CLOSE myCursor;

commit;

return v\_nombMinibus;

EXCEPTION

when others then

v\_message := SQLERRM;

v\_sqlcode := SQLCODE;

rollback;

insert into erreurs values (v\_message || v\_sqlcode || TO\_CHAR(SYSDATE, 'YYYY-MM-DD HH24:MI:SS'));

return -1;

END affectations\_minibus;

END PKSORTIES;

Exécution:

variable nb\_minibus number;

exec :nb\_minibus :=affectations\_minibus(2);

print nb\_minibus;

Résultat:

