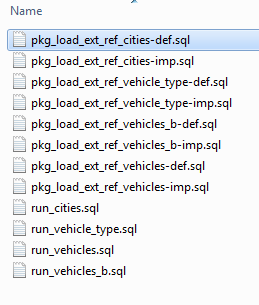
**All scripts**



**Load vehicles\_types**

/\* Formatted on 8/13/2013 12:48:09 PM (QP5 v5.139.911.3011) \*/

CREATE OR REPLACE PACKAGE pkg\_load\_ext\_ref\_vehicle\_type

AS

PROCEDURE load\_types;

END;

/

/\* Formatted on 8/13/2013 12:44:49 PM (QP5 v5.139.911.3011) \*/

CREATE OR REPLACE PACKAGE BODY pkg\_load\_ext\_ref\_vehicle\_type

AS

--load types (Merge)

PROCEDURE load\_types

AS

BEGIN

--Merge Source data

MERGE INTO u\_dw.t\_vehicle\_types vt

USING ( SELECT DISTINCT vehicle\_type\_id AS vehicle\_type\_id

, vehicle\_type\_desc AS vehicle\_type\_desc

FROM u\_sa\_data.tmp\_vehicle\_types

ORDER BY vehicle\_type\_desc) cls

ON ( vt.vehicle\_type\_id = cls.vehicle\_type\_id )

WHEN NOT MATCHED THEN

INSERT ( vt.vehicle\_type\_id

, vt.vehicle\_type\_code

, vt.vehicle\_type\_desc

, vt.insert\_dt )

VALUES ( u\_dw.sq\_vehicle\_type\_id.NEXTVAL

, cls.vehicle\_type\_id

, cls.vehicle\_type\_desc

, SYSDATE )

WHEN MATCHED THEN

UPDATE SET vt.vehicle\_type\_desc = cls.vehicle\_type\_desc

, vt.update\_dt = SYSDATE

WHERE vt.vehicle\_type\_desc != cls.vehicle\_type\_desc;

COMMIT;

END load\_types;

END pkg\_load\_ext\_ref\_vehicle\_type;

/\* Formatted on 8/13/2013 12:44:17 PM (QP5 v5.139.911.3011) \*/

BEGIN

pkg\_load\_ext\_ref\_vehicle\_type.load\_types;

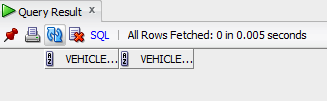
END;

/

select vehicle\_type\_code, vehicle\_type\_desc from t\_vehicle\_types

minus

select vehicle\_type\_id, vehicle\_type\_desc from U\_SA\_DATA.tmp\_vehicle\_types;



**Load vehicles**

/\* Formatted on 8/13/2013 12:45:09 PM (QP5 v5.139.911.3011) \*/

CREATE OR REPLACE PACKAGE pkg\_load\_ext\_ref\_vehicles\_b

AS

PROCEDURE load\_vehicles\_b;

END;

/

/\* Formatted on 8/13/2013 12:47:17 PM (QP5 v5.139.911.3011) \*/

CREATE OR REPLACE PACKAGE BODY pkg\_load\_ext\_ref\_vehicles\_b

AS

PROCEDURE load\_vehicles\_b

AS

CURSOR c1

IS

SELECT DISTINCT tv.vehicle\_id

, md.vehicle\_type\_id

, tv.vehicle\_desc

, tv.vehicle\_price

FROM u\_sa\_data.tmp\_vehicles tv JOIN u\_dw.t\_vehicle\_types md ON ( tv.vehicle\_type\_id = md.vehicle\_type\_code )

WHERE ( tv.vehicle\_id ) NOT IN (SELECT DISTINCT vehicle\_code

FROM u\_dw.t\_vehicles);

CURSOR c2

IS

( SELECT DISTINCT vehicle\_id

, vehicle\_price

FROM u\_sa\_data.tmp\_vehicles

MINUS

SELECT DISTINCT vehicle\_code

, vehicle\_price

FROM u\_dw.t\_vehicles );

TYPE vset1 IS TABLE OF c1%ROWTYPE;

TYPE vset2 IS TABLE OF c2%ROWTYPE;

vcoll1 vset1;

vcoll2 vset2;

BEGIN

OPEN c1;

FETCH c1

BULK COLLECT INTO vcoll1;

FORALL i IN INDICES OF vcoll1

INSERT INTO u\_dw.t\_vehicles ( vehicle\_id

, vehicle\_code

, vehicle\_type\_id

, vehicle\_desc

, vehicle\_price

, insert\_dt )

VALUES ( u\_dw.sq\_vehicle\_id.NEXTVAL

, vcoll1 ( i ).vehicle\_id

, vcoll1 ( i ).vehicle\_type\_id

, vcoll1 ( i ).vehicle\_desc

, vcoll1 ( i ).vehicle\_price

, SYSDATE );

OPEN c2;

FETCH c2

BULK COLLECT INTO vcoll2;

FORALL j IN INDICES OF vcoll2

UPDATE u\_dw.t\_vehicles cr

SET cr.vehicle\_price = vcoll2 ( j ).vehicle\_price

, cr.update\_dt = SYSDATE

WHERE vcoll2 ( j ).vehicle\_id = cr.vehicle\_code;

COMMIT;

END load\_vehicles\_b;

END pkg\_load\_ext\_ref\_vehicles\_b;

/\* Formatted on 8/13/2013 12:44:20 PM (QP5 v5.139.911.3011) \*/

BEGIN

pkg\_load\_ext\_ref\_vehicles\_b.load\_vehicles\_b;

END;

/

*Another variant*

/\* Formatted on 8/13/2013 12:47:36 PM (QP5 v5.139.911.3011) \*/

CREATE OR REPLACE PACKAGE pkg\_load\_ext\_ref\_vehicles

AS

PROCEDURE load\_vehicles;

END pkg\_load\_ext\_ref\_vehicles;

/

/\* Formatted on 8/13/2013 12:47:55 PM (QP5 v5.139.911.3011) \*/

CREATE OR REPLACE PACKAGE BODY pkg\_load\_ext\_ref\_vehicles

AS

PROCEDURE load\_vehicles

AS

CURSOR c\_v

IS

SELECT DISTINCT vehicle\_id

, vehicle\_type\_id

, vehicle\_desc

, vehicle\_price

FROM u\_sa\_data.tmp\_vehicles

WHERE vehicle\_id NOT IN (SELECT vehicle\_code

FROM u\_dw.t\_vehicles);

BEGIN

FOR i IN c\_v LOOP

INSERT INTO u\_dw.t\_vehicles ( vehicle\_id

, vehicle\_code

, vehicle\_type\_id

, vehicle\_desc

, vehicle\_price

, insert\_dt )

VALUES ( u\_dw.sq\_vehicle\_id.NEXTVAL

, i.vehicle\_id

, i.vehicle\_type\_id

, i.vehicle\_desc

, i.vehicle\_price

, SYSDATE );

EXIT WHEN c\_v%NOTFOUND;

END LOOP;

COMMIT;

END load\_vehicles;

END pkg\_load\_ext\_ref\_vehicles;

/

/\* Formatted on 8/13/2013 12:44:18 PM (QP5 v5.139.911.3011) \*/

BEGIN

pkg\_load\_ext\_ref\_vehicles.load\_vehicles;

END;

select v.vehicle\_code, v.vehicle\_desc, v.vehicle\_price

from t\_vehicles v

minus

select vehicle\_id, vehicle\_desc, vehicle\_price from U\_SA\_DATA.tmp\_vehicles;

