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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | [Kiryl Bucha](mailto:Kiryl_Bucha@epam.com) | 12-JAN-2012 |  |  |
| 2.0 | Updated in accordance with renewed content | [Elias Nema](mailto:Elias_Nema@epam.com) | 20-JAN-2014 |  |  |
| 3.0 | Report on the task | Mikita Tur | 10-DEC-2017 |  |  |

Contents

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# Create package to load the Fact Table into the staging (3NF) layer

The Main Task is to create independent package[s] to load your fact table to the ST layer, according to your DWH concept that was developed on Module 6 Introduction to DWH.

# Task Results

Create required objects:

* Create all required fact table objects on ST Layer (T\_...).
* Grant all required privileges to ST\_CL (Cleansing Layer).
* Create packages to load fact data (one package = one fact table) on ST\_CL.
* Prepare document with description of your load and screenshot of data in the Fact Table.
* Test Procedure for Repeatable execution (it should produce same consistent results each time on a same source data).

Script to load fact table:

PROCEDURE load\_cls\_salesorder

IS

BEGIN

INSERT INTO cls\_salesorder

SELECT

ROWNUM AS SALESORDER\_SRCID,

(CASE

WHEN month in (4, 6, 9, 11) and day=31

THEN to\_date ( round (dbms\_random.value (1, 30))||'-'||month||'-'|| year, 'DD-MM-YYYY')

when month=2 and day in (29,30,31)

THEN to\_date ( round (dbms\_random.value (1, 28))||'-'||month||'-'|| year, 'DD-MM-YYYY')

ELSE to\_date ( day||'-'||month||'-'|| year, 'DD-MM-YYYY') END) AS ORDERDATE,

TRUNC (DBMS\_RANDOM.VALUE (**1**, 15)) QUANTITY,

TRUNC (DBMS\_RANDOM.VALUE (100,250000)) SALES\_AMOUNT,

TRUNC (DBMS\_RANDOM.VALUE ((SELECT MIN(payment\_srcid)FROM bl\_3nf.ce\_payment), ((SELECT MAX(payment\_srcid)FROM bl\_3nf.ce\_payment)))) AS PAYMENT\_SRCID,

TRUNC (DBMS\_RANDOM.VALUE ((SELECT MIN(product\_srcid)FROM bl\_3nf.ce\_product, ((SELECT MAX(product\_srcid)FROM bl\_3nf.ce\_product)))) AS PRODUCT\_SRCID,

TRUNC (DBMS\_RANDOM.VALUE ((SELECT MIN(customer\_srcid)FROM bl\_3nf.ce\_customer, ((SELECT MAX(customer\_srcid)FROM bl\_3nf.ce\_customer)))) AS PRODUCT\_SRCID,

FROM DUAL

CONNECT BY LEVEL < **1000000**;

COMMIT;

dbms\_output.put\_line('The data in the table CLS\_ is loaded successfully!');

EXCEPTION

WHEN OTHERS THEN

RAISE;

END load\_cls\_salesorder;