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| EPAM Systems, RD Dep. |
| MTN.BI.08 Advanced PL/SQL |

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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | Hanna\_Hul | 12-JAN-2012 |  |  |

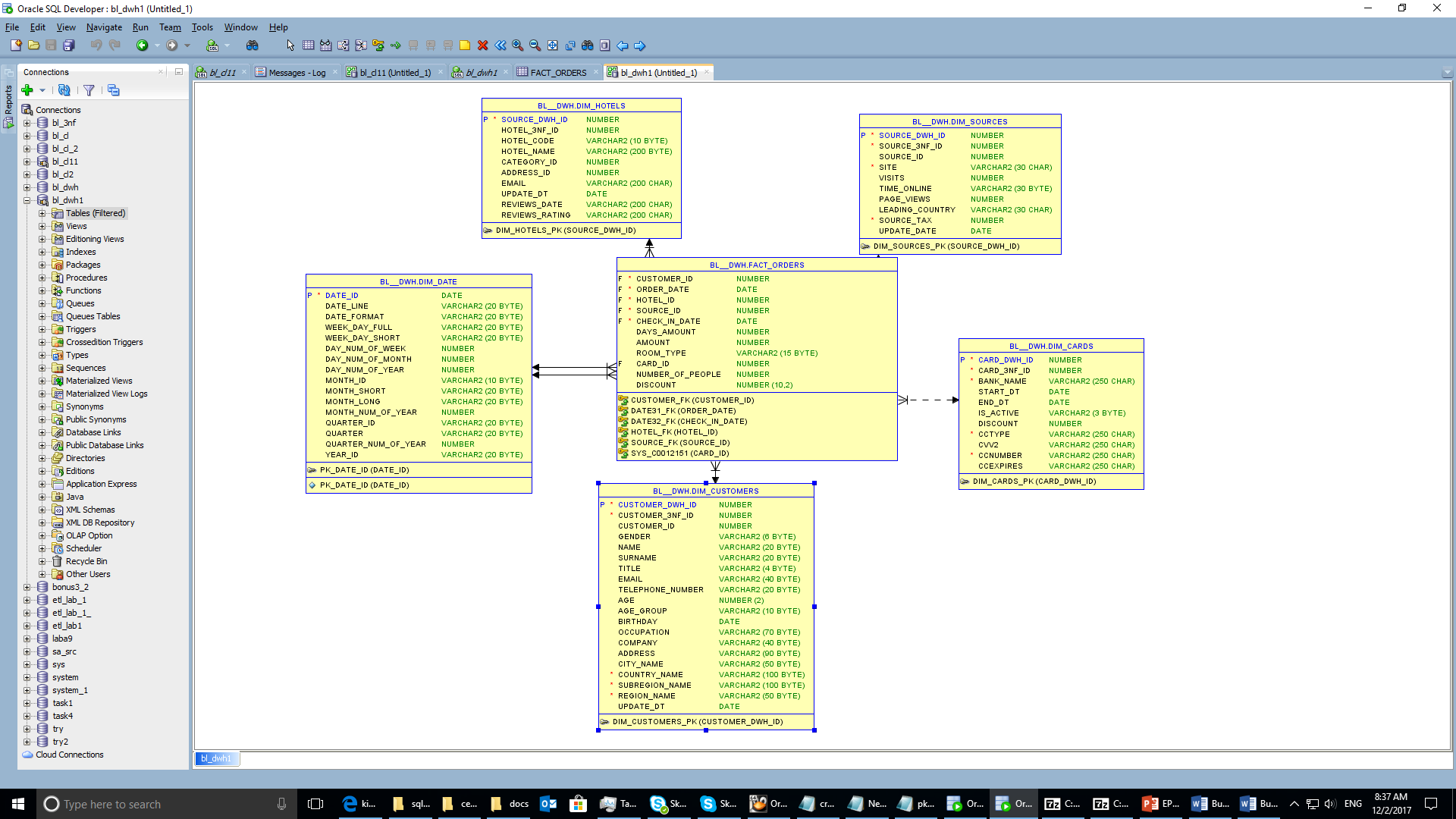
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# Create package to load the Fact Table into the staging (3NF) layer

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\_...).

CREATE TABLE fct\_orders

(

customer\_id NUMBER NOT NULL,

order\_date DATE NOT NULL,

hotel\_id NUMBER NOT NULL,

source\_id NUMBER NOT NULL,

card\_id number not null,

check\_in\_date DATE NOT NULL,

days\_amount NUMBER,

amount NUMBER,

room\_type VARCHAR2(15),

number\_of\_people NUMBER,

discount NUMBER(10,2),

CONSTRAINT customer\_FK FOREIGN KEY ( customer\_ID) REFERENCES dim\_customers (customer\_dwh\_ID ),

CONSTRAINT hotel\_FK FOREIGN KEY ( hotel\_ID) REFERENCES dim\_hotels( hotel\_dwh\_ID ),

CONSTRAINT source\_FK FOREIGN KEY ( SOURCE\_ID ) REFERENCES dim\_sources (source\_dwh\_ID ),--,

CONSTRAINT date1\_FK FOREIGN KEY ( order\_date ) REFERENCES dim\_date ( date\_ID ),

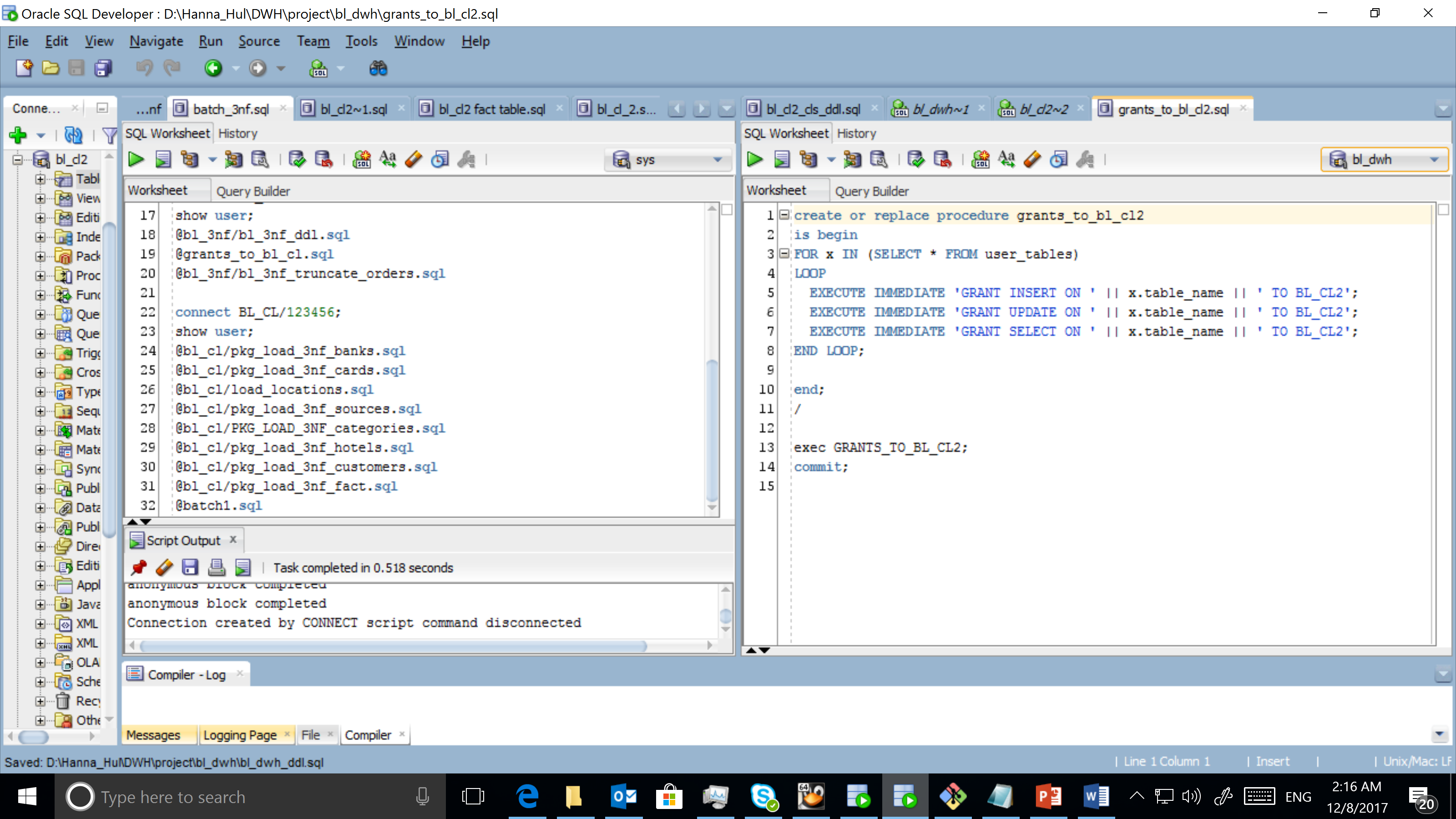
CONSTRAINT date2\_FK FOREIGN KEY ( check\_in\_date ) REFERENCES dim\_date ( date\_ID ),

CONSTRAINT cards\_FK FOREIGN KEY ( CARD\_ID ) REFERENCES dim\_cards ( card\_dwh\_ID )

);

* Grant all required privileges to ST\_CL (Cleansing Layer).





* Create packages to load fact data (one package = one fact table) on ST\_CL.

CREATE OR REPLACE PACKAGE pkg\_load\_fact

AS

PROCEDURE cls\_fact;

PROCEDURE dwh\_fact;

END pkg\_load\_fact;

* 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).

