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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | Hanna Hul | 22-NOV-2017 |  |  |

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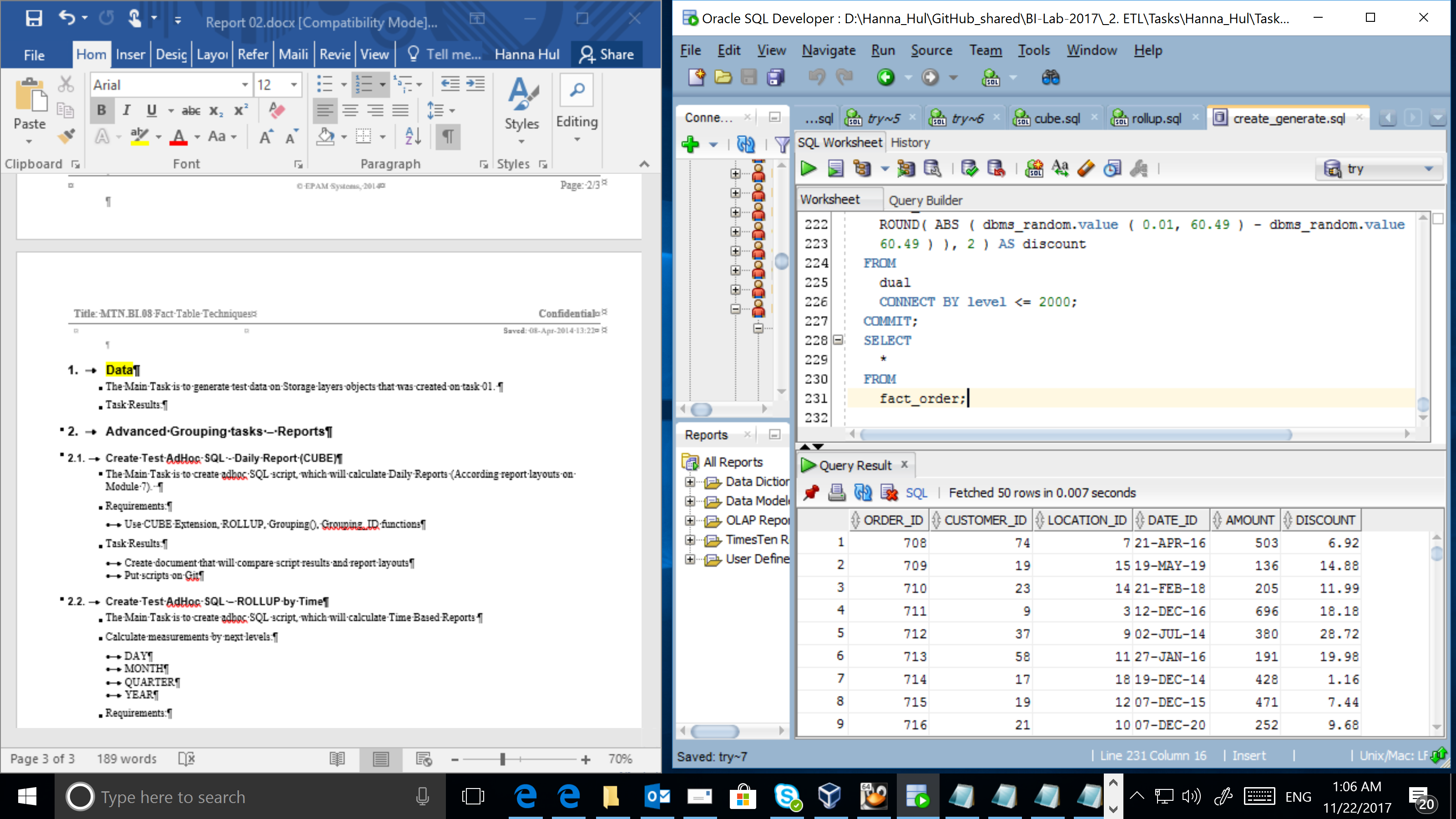
# Data

The Main Task is to generate test data on Storage layers objects that was created on task 01.

Task Results:

The fact table was filled with the generated data. Functions dbms\_random.value() and dbms\_random.normal and their combinations were used for the generation. The parameters were connected with the size of dimensions to provide referential integrity.

SELECT \* FROM fact \_order;



# Advanced Grouping tasks – Reports

## Create Test AdHoc SQL - Daily Report (CUBE)

select

-- dim\_locations.city,

nvl(dim\_date.year\_id,'All years'),

nvl(dim\_locations.country,'All countries'),

sum(amount\*discount/100)

from

fact\_order,

dim\_locations,

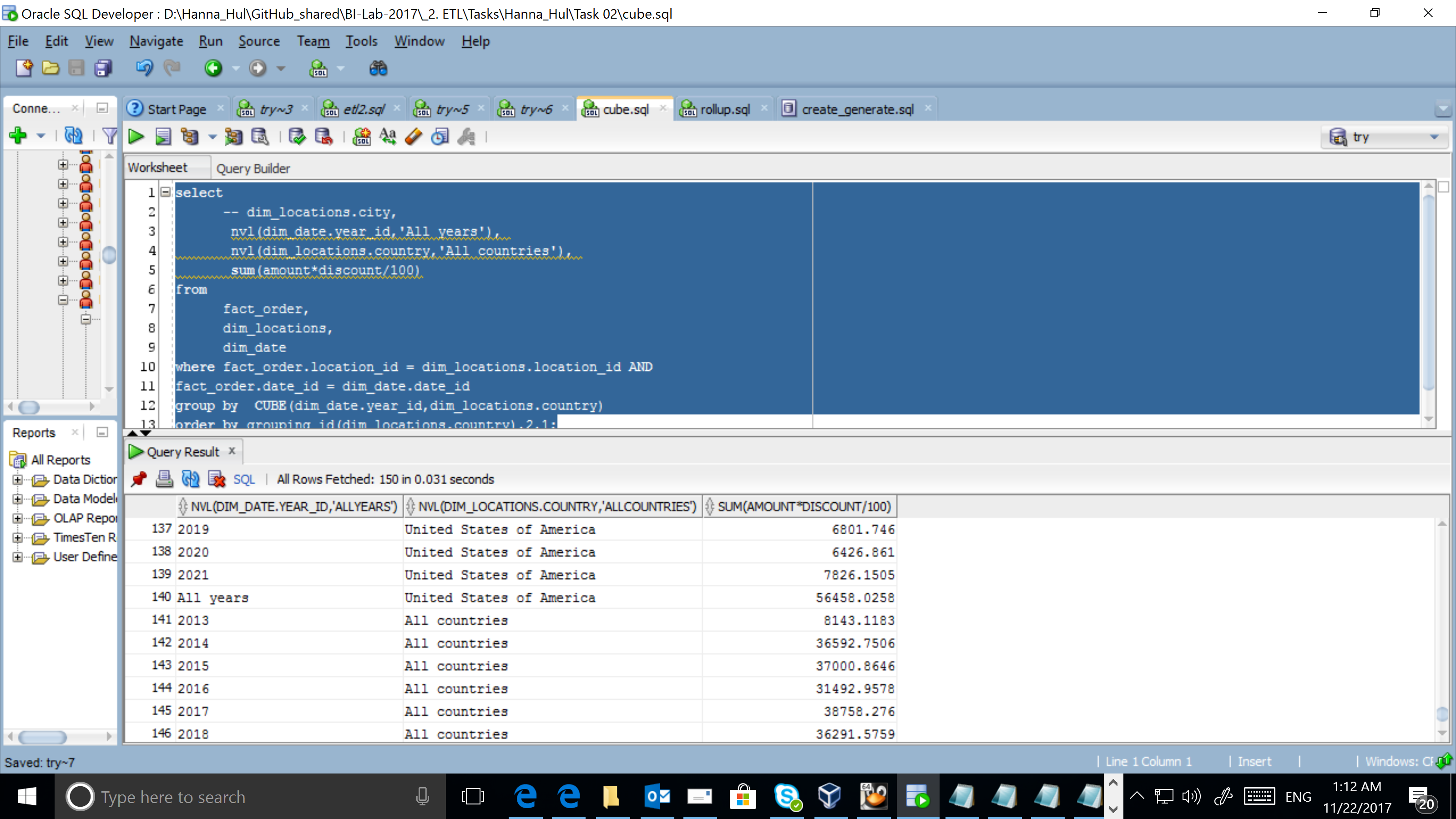
dim\_date

where fact\_order.location\_id = dim\_locations.location\_id AND

fact\_order.date\_id = dim\_date.date\_id

group by CUBE(dim\_date.year\_id,dim\_locations.country)

order by grouping\_id(dim\_locations.country),2,1;



## Create Test AdHoc SQL – ROLLUP by Time

SELECT

dim\_date.year\_id,

dim\_date.Quarter\_ID,

NVL(dim\_date.month\_long,' '),

dim\_date.Day\_Num\_of\_Month,

SUM(amount\*discount/100)

FROM

fact\_order,

dim\_date

WHERE --fact\_order.location\_id = dim\_locations.location\_id AND

fact\_order.date\_id = dim\_date.date\_id

AND dim\_date.year\_id >= 2017

AND dim\_date.day\_num\_of\_month <= 3

GROUP BY

dim\_date.year\_id,

ROLLUP(dim\_date.Quarter\_ID, dim\_date.month\_long, dim\_date.Day\_Num\_of\_Month);

--order by grouping\_id(dim\_locations.country),2,1; USE: Grouping\_ID function

