Quiz for module 4 assignment

Quiz, 19 questions

1 point

1. **Query 1**: Identify the table(s) to join in the SELECT statement part of the materialized view.

- [ ] branch_plant_dim
- [x] date_dim
- [ ] item_master_dim
- [x] inventory_fact
- [ ] cust_vendor_dim

1 point

2. **Query 1**: Identify the column(s) with single table conditions in the WHERE clause of the SELECT statement part of the materialized view. A single table condition compares a column to a constant or another column in the same table.

- [x] TransTypeKey
- [x] CalYear
- [ ] TransDescription
- [ ] CalMonth

1 point

3. **Query 1**: Identify the column(s) following the GROUP BY keywords of the SELECT statement part of the materialized view.

- [x] CustVendorKey
- [x] DateKey
- [ ] No GROUP BY clause is used.
- [ ] CalYear

1 point

4. **Query 1**: How many rows are in the materialized view with 2011 sales? To answer this question, you need to execute a SELECT statement that counts the rows in the materialized view. You need to use the original data warehouse tables to create the materialized view.

- (•) 1225
- ( ) 1000
- ( ) 1025
- ( ) 1009

1 point

5. **Query 2**: Identify the table(s) to join in the SELECT statement part of the materialized view.

- [x] date_dim
- [ ] cust_vendor_dim
- [x] inventory_fact
- [ ] branch_plant_dim
- [ ] item_master_dim

1 point

6. **Query 2**: Identify the column(s) with single table conditions in the WHERE clause of the SELECT statement part of the materialized view. A single table condition compares a column to a constant or another column in the same table.

- [ ] CalMonth
- [x] TransTypeKey
- [ ] TransDescription
- [x] CalYear

1 point

7. **Query 2**: Identify the column(s) following the GROUP BY keywords in the SELECT statement part of the materialized view.

- [ ] No GROUP BY clause is used.
- [ ] CalYear
- [x] DateKey
- [x] CustVendorKey

1 point

8. **Query 2**: How many rows are in the materialized view with 2012 sales? To answer this question, you need to execute a SELECT statement that counts the rows in the materialized view. You need to use the original data warehouse tables to create the materialized view.

- (•) 1009
- ( ) 1350
- ( ) 1015
- ( ) 1225

1 point

9. **Query 3**: Identify the table(s) and/or materialized views to combine in the SELECT statement for the rewritten query. For this question, you should assume that the materialized view containing 2011 sales is named SalesByVendorDayMV2011 and the materialized view containing 2012 sales is named SalesByVendorDayMV2012.

- [ ] inventory_fact
- [ ] SalesByVendorDayMV2011
- [x] Customer_Vendor_Dim
- [x] date_dim
- [x] SalesByVendorDayMV2012

1 point

10. **Query 3**: The SELECT statement in the rewritten query contains a UNION operator.

- ( ) True
- (•) False

1 point

11. **Query 3**: The GROUP BY clause should be used in the rewritten query

- ( ) two times, once in a nested SELECT block and once in the outer query.
- (•) one time with a CUBE or GROUPING SETS operator.
- ( ) 0 times as the GROUP BY clause is not needed.
- ( ) one time without a subtotal operator.

1 point

12. **Query 3**: How many rows are in the result of the rewritten query? This question requires that you used the original data warehouse tables in the rewritten query and to create the materialized views.

- ( ) 80
- (•) 78
- ( ) 120
- ( ) 240

1 point

13. **Query 3**: What is the value for the sum of the quantity in the grand total row? This question requires that you used the original data warehouse tables in the rewritten query and to create the materialized views.

- ( ) 350016111
- ( ) 25881
- (•) 348974
- ( ) 33651

1 point

14. **Query 4**: The SELECT statement in the rewritten query contains a UNION operator.

- (•) True
- ( ) False

1 point

15. **Query 4**: Identify the table(s) and/or materialized views that are combined in the SELECT statement for the rewritten query. The tables can combined with other tables using the join or union operators. For this question, you should assume that the materialized view containing 2011 sales is named SalesByVendorDayMV2011 and the materialized view containing 2012 sales is named SalesByVendorDayMV2012.

- [x] SalesByVendorDayMV2012
- [x] Date_Dim
- [x] Customer_Vendor_Dim
- [ ] inventory_fact
- [ ] SalesByVendorDayMV2011

1 point

16. **Query 4**: The CUBE operator should be used in the rewritten query

- ( ) three times, once each before union operations and once after union operations.
- ( ) 0 times as subtotal operators are not needed.
- ( ) two times, once in each nested SELECT block combined by the UNION operator.
- (•) one time after all join and union operations.

1 point

17. **Query 4**: The GROUP BY clause should be used in the rewritten query

- ( ) three times, once in each nested SELECT block and once in the outer query.
- (•) one time in the outer query.
- ( ) 0 times as the GROUP BY clause is not needed.
- ( ) two times, once in each nested SELECT block combined by the UNION operator.

1 point

18. **Query 4**: How many rows are in the result of the rewritten query? This question requires that you used the original data warehouse tables in the rewritten query and to create the materialized views.

- 78
- 120
- 305
- 340

1 point

19. **Query 4**: What is the value for the sum of the external cost in the grand total row? This question requires that you used the original data warehouse tables in the rewritten query and to create the materialized views.

- 702025453
- 36107996
- 176551801
- 170210

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