Grand Quiz Spring 2021
Subject Code CS614 lecture 1 to 22
Solved By Riz Mughal

Dear Viewers:

I'm providing 100% correct quiz solution. You can visit my YouTube channel and get more information about all other subjects' quizzes and final year project (CS619).

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https://www.facebook.com/groups/923887914750307

https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists

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_____ is the application of intelligence and experience to get common goals.

Select the correct option

● Wisdom

○ Power

○ Information

○ Education

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Question # 2 of 30 (Start time: 10:11:42 AM, 30 June 2021)

Normally ROLAP is implemented using _____

Select the correct option

- ● Star Schema
- ○ Pre-defined aggregates
- ○ Hybrid Schema
- ○ All of the given options

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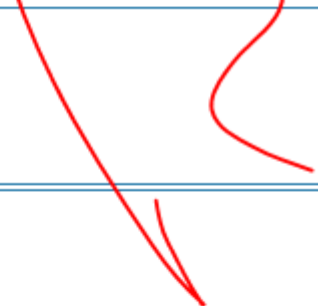
Identify data warehouse query from the following:

Select the correct option

○	Number of students studying CS614 course
●	Factors which can affect students' performance
○	List of students belong to Lahore city
○	Total number of students that have 3.5 CGPA

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Question # 4 of 30 (Start time: 10:12:17 AM, 30 June 2021)

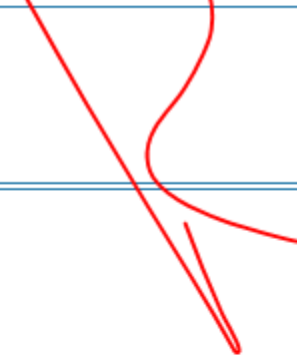In _____ SQL generation is vastly simplified for front-end tools when the data is highly structured.

Select the correct option

○ Hybrid schema

● Star Schema

○ MOLAP

○ Object oriented schema

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Question # 5 of 30 (Start time: 10:12:35 AM, 30 June 2021)

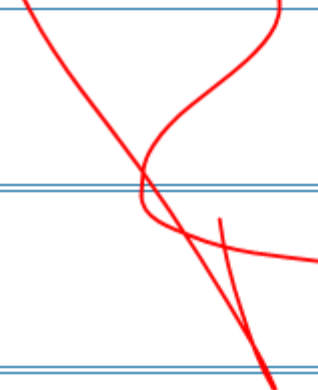____ models the macro relationships among data elements with an overall deterministic strategy.

Select the correct option

- ⦿ Dimensional model
- ◯ Structured model
- ◯ Object oriented model
- ◯ Entity relationship model

Question # 6 of 30 (Start time: 10:12:52 AM, 30 June 2021)

The _____ task is typically performed after most other transformation and cleaning steps have taken place.

Select the correct option

○	Data extraction
●	Data Duplicate elimination
○	Data transformation
○	Data loading

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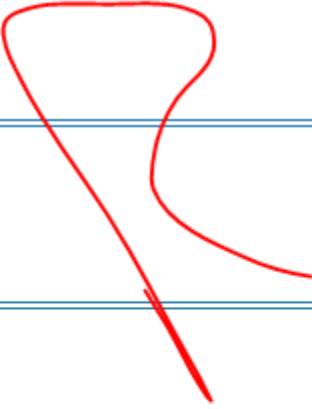
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_____ is known as state of being only one of its kind or being without an equal or parallel.

Select the correct option

○	Completeness
○	Consistency
○	Accessibility
●	Uniqueness

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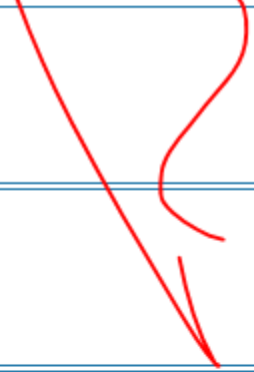
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Relational modeling techniques are used to develop _____ systems.

Select the correct option
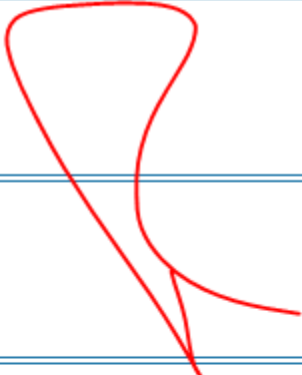
●	OLTP
○	MOLAP
○	OLAP
○	ROLAP

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Which of the following is not a CUBE operation?

Select the correct option

- ⬤ ANSI SQL
- ◯ Drill Down
- ◯ pivoting
- ◯ Roll UP

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Question # 10 of 30 (Start time: 10:15:38 AM, 30 June 2021) **Total**

The hybrid OLAP (HOLAP) solution is a mix of _____ architectures that supports queries against summary and transaction data in an integrated.

Select the correct option

○	ROLAP
○	OLTP
●	MOLAP and ROLAP
○	MOLAP

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Question # 11 of 30 (Start time: 10:16:01 AM, 30 June 2021)

The response times of OLTP queries are in milliseconds to seconds, while that of data warehouse queries are in:

Select the correct option

○ Days to weeks

○ Hours to days

○ Milliseconds to microseconds

● Minutes to hours

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Question # 12 of 30 (Start time: 10:16:21 AM, 30 June 2021)

_____ allows download of "cube" structures to a desktop platform without the need for shared relational or cube server.
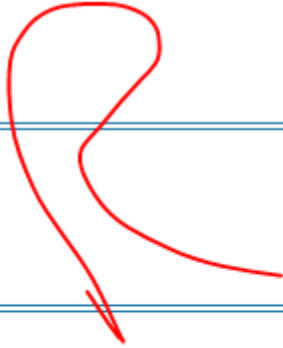
Select the correct option

○	ROLAP
○	HOLAP
●	DOLAP
○	MOLAP

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Question # 13 of 30 (Start time: 10:16:38 AM, 30 June 2021)

In case of multiple sources for the same data element, we need to prioritize the source systems per element bases, the process is called:
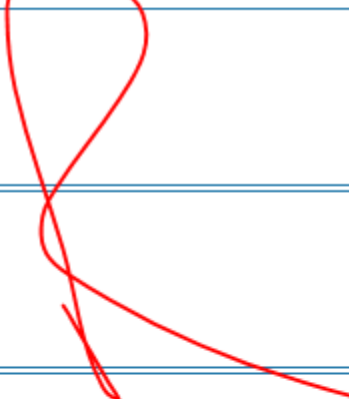
Select the correct option

- ⬤ Ranking
- ◯ Measurement Selection
- ◯ Element Selection
- ◯ Prioritization

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OLAP is:

Select the correct option

○	Implementation technique
●	Framework
○	None of the given options
○	Physical database design

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Which of the following is not a task of Data Transformation?

Select the correct option

○ Summarization

○ Enrichment

○ Conversion

● Full Data Refresh

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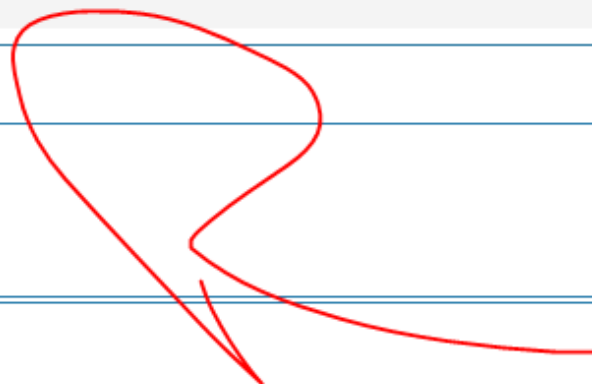
Question # 16 of 30 (Start time: 10:17:24 AM, 30 June 2021)   **To**

Simple scalar transformation is a _____ mapping from one set of values to another set of values using straightforward rules.

Select the correct option

Many-to-one
○

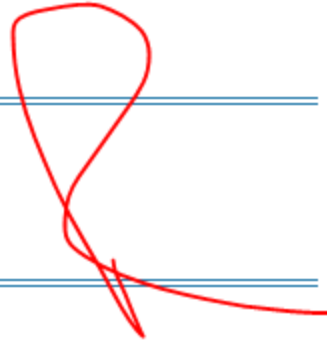Many-to-many
○

One-to-one
⦿

One-to-many
○

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Which of the following is not a Data Quality Validation Technique?

Select the correct option

- ● Indexes
- ○ Using Data Quality Rules
- ○ Referential Integrity
- ○ Data Histograming

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Question # 18 of 30 (Start time: 10:18:00 AM, 30 June 2021)

_____ are created out from the data warehouse to service different needs of departments in the organization.
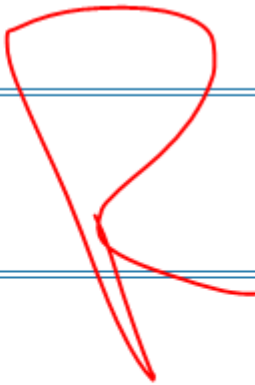
Select the correct option

○	Databases
●	Data marts
○	MIS
○	Tables

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An OLTP system is always good at _____

Select the correct option

○ Maintaining historic data

○ Keeping Static data

○ Tracking past data

● Evolving data

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Question # 20 of 30 (Start time: 10:18:32 AM, 30 June 2021)

_____ incorporates the concept of product quality, process control, quality assurance, and quality improvement.

Select the correct option

○ Intrinsic Data Quality Management

○ Realistic Data Quality Management

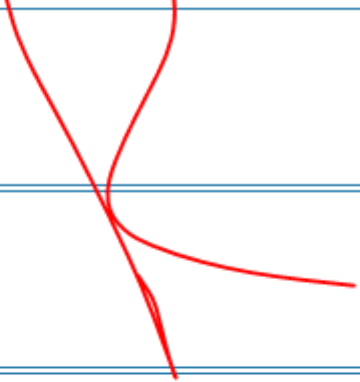● Total Quality Management

○ Strong Data Quality Management

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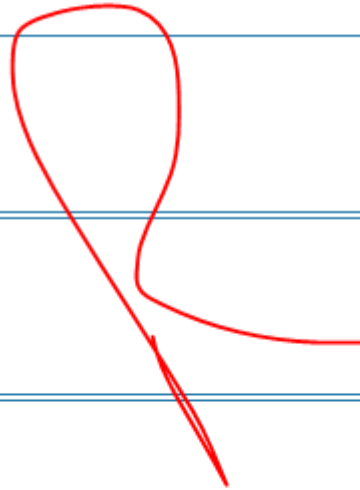
Question # 21 of 30 (Start time: 10:18:49 AM, 30 June 2021)

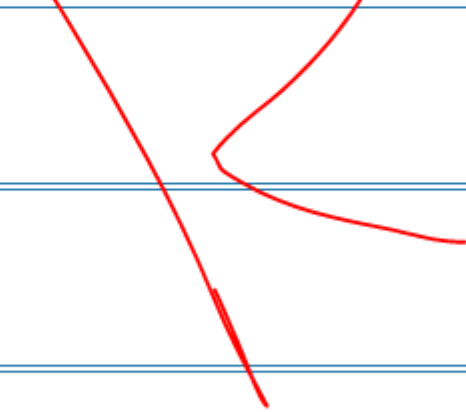"Sometimes during data collection complete entities are missed". This statement is an example of:

Select the correct option

O	Missing aggregate
●	Missing tuple
O	Semantically dirty data
O	Missing attribute

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Question # 22 of 30 (Start time: 10:19:06 AM, 30 June 2021)

The last step of Software Development Life Cycle (SDLC) is implementation, while that of data warehouse is:

Select the correct option

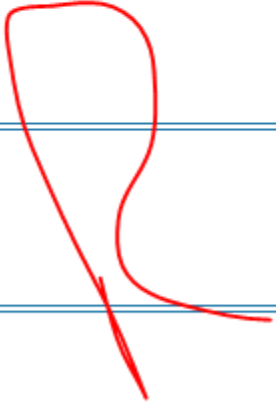|	
○	Integration
●	Understanding requirements
○	Testing
○	Analysis

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Question # 23 of 30 (Start time: 10:19:20 AM, 30 June 2021)

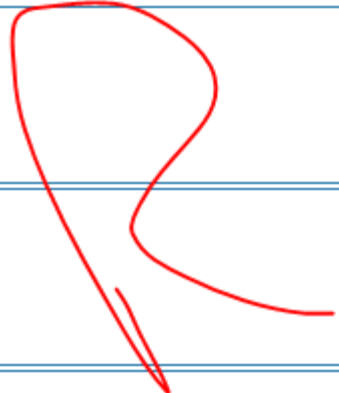In which class of aggregates Max function can be placed?

Select the correct option

○	Algebraic
○	Associative
○	Holistic
●	Distributive

Question # 24 of 30 (Start time: 10:19:36 AM, 30 June 2021)

Telecommunication data warehouse is dominated by the _____ volume of data generated at the call level.

Select the correct option

Incomplete

○

Semi-complete

○

Sheer

●

Partial

○

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Question # 25 of 30 (Start time: 10:19:52 AM, 30 June 2021)

If a table is expected to have six columns but some or all of the records do not have six columns then it is example of:

Select the correct option

○ Semantically dirty data

● Syntactically dirty data

○ Extraction issue

○ Coverage anomaly

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In the data warehouse environment the data is _____.

Select the correct option
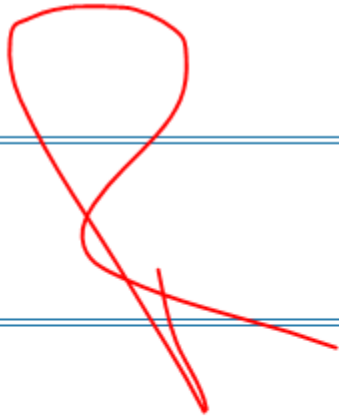
●	Both subject and time oriented
○	Neither time-oriented nor subject-oriented
○	Subject-oriented
○	Time-oriented

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Dirty data means that:

Select the correct option
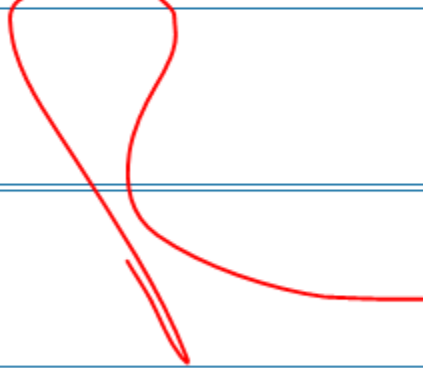
- ○ Data cannot be aggregated

- ○ Data contains non-additive facts

- ○ Data does not fulfill dimensional modeling rules

- ● Data does not conform to proper domain definitions

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One of the main reasons for the failure of DWH deployments is _____.

Select the correct option
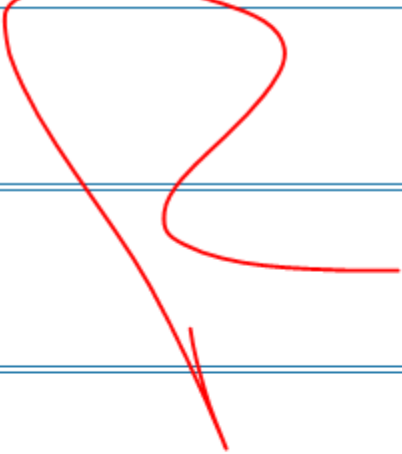
○	Data anomaly
○	Data integrity
●	Data quality
○	Data duplication

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The data in the data warehouse is _____

Select the correct option
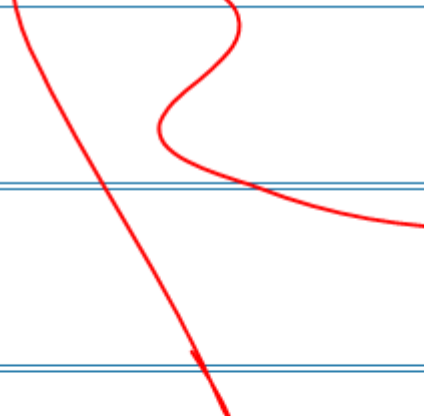
⚪	non-structured
⚪	volatile
⚪	static
⚫	non-Volatile

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Question # 30 of 30 (Start time: 10:21:13 AM, 30 June 2021)

Which of the following is NOT an example of a typical grain?

Select the correct option

○ Daily aggregates

○ Monthly aggregates

○ Individual Transactions

● Normalized attributes

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