Grand Quiz Spring 2021

Subject Code CS403 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).

Sialkot
Punjab, Pakistan

Rizwanqadeer848@gmail.com

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

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

RIZ MUGHAL (SQA ENGINEER)

RIZ MUGHAL (SQA ENGINEER)

CS403:Grand Quiz

Question # 1 of 30 (Start time: 09:18:24 AM, 25 June 2021)

Data type "BLOB" in database management system stands for _____.

Select the correct option

- (●) Binary large Object
- ( ) Bipolar large object
- ( ) Binary large objective
- ( ) Binary long objective

CS403:Grand Quiz

Question # 2 of 30 (Start time: 09:18:45 AM, 25 June 2021)

The attribute HOBBY can have more than one values in ERD. The HOBBY is a _____ attribute.

Select the correct option

- ○ Composite
- ○ Single-valued
- ○ Derived
- ● Multi-valued

CS403:Grand Quiz

Quiz Start T

Question # 3 of 30 (Start time: 09:19:01 AM, 25 June 2021)

Which of the following is an example of a weak entity?

Select the correct option

- ○ The tire can exist without being attached to the car
- ● Shahid account of XYZ bank has no existence if the XYZ bank doesn't exist anymore
- ○ Ali is a good friend of Bilal
- ○ An employee supervises another employee

Click to Save Answer

CS403:Grand Quiz

Quiz Start Time: 09:18 AM, 25 June 202

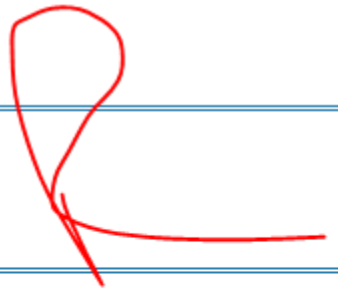
Question # 4 of 30 (Start time: 09:19:16 AM, 25 June 2021)

Total Marks:

_____ is state of database where a "course" cannot be inserted in the table, because this course has not been registered to any "student".

Select the correct option

- ○ Deletion anomaly
- ○ Updation anomaly
- ● Insertion anomaly
- ○ Redundancy



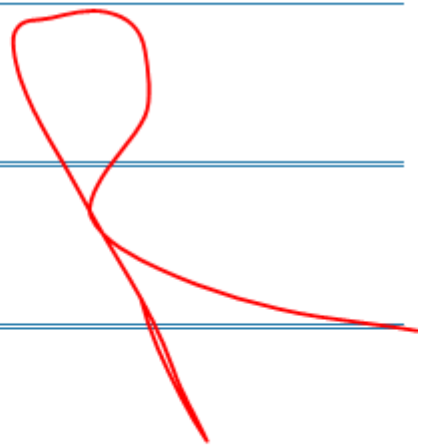
CS403:Grand Quiz

Question # 5 of 30 (Start time: 09:19:33 AM, 25 June 2021)

In a three-level DBMS architecture, the _____ level interacts directly with the users.

Select the correct option

- ○ physical
- ○ conceptual
- ○ internal
- ● external



CS403:Grand Quiz

Question # 6 of 30 (Start time: 09:20:01 AM, 25 June 2021)

If A→ B and CB → D, then AC → D. 1. The above rule follows _____ inference rule.

Select the correct option

- ○ Augmentation
- ○ Additivity
- ● Pseudo transitivity
- ○ Decomposition

CS403:Grand Quiz

Question # 7 of 30 (Start time: 09:20:19 AM, 25 June 2021)

If we make changes in the extension of database, it will affect _____.

Select the correct option

- ○ Multiple records
- ● A single record
- ○ Multiple fields
- ○ All stored records

CS403:Grand Quiz

Question # 8 of 30 (Start time: 09:20:36 AM, 25 June 2021)

Which of the following might be represented with a single-valued attribute?

Select the correct option

○	Person's hobby
○	Employee's educational background
○	Person's phone number
●	Computer's processor speed

CS403:Grand Quiz

Question # 9 of 30 (Start time: 09:20:52 AM, 25 June 2021)

Database Application is a program which is used for performing certain operations such as _____

Select the correct option

- ○ Insertion of data
- ● All of above
- ○ Extraction of data
- ○ Updating the data

CS403:Grand Quiz

Question # 10 of 30 (Start time: 09:21:07 AM, 25 June 2021)

In database development process, proper study of the system is called_____.

Select the correct option

- ○ Real word scenario study
- ○ System analysis
- ● Preliminary Study
- ○ Requirement analysis

CS403:Grand Quiz

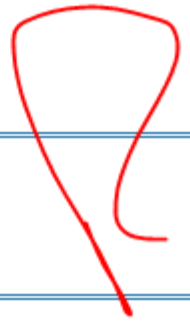
Quiz Start Time: 09:18 AM, 25 June

Question # 11 of 30 (Start time: 09:21:23 AM, 25 June 2021) **Total Ma**

_____ are used by database administrator in situations where we have large number of records and wastage of small amount of space in each record can lead to loss of huge amount of data storage space.

Select the correct option

- (●) Codes
- ( ) Variables
- ( ) Special characters
- ( ) Symbols



CS403:Grand Quiz

Question # 12 of 30 (Start time: 09:21:40 AM, 25 June 2021)

If we simply say join, it means the _____.

Select the correct option

- ○ Outer join
- ○ Equi-join
- ● Natural join
- ○ Theta Join

CS403:Grand Quiz

Question # 13 of 30 (Start time: 09:21:55 AM, 25 June 2021)

If an entity is linked with itself, then it is called _____ relationship.

Select the correct option

- ○ Binary
- ● Recursive
- ○ Ternary
- ○ Nary

CS403:Grand Quiz

Question # 14 of 30 (Start time: 09:22:11 AM, 25 June 2021)

The _____ can see entire information structure of the database.

Select the correct option

- ○ Database user
- ○ DBTG
- ○ External viewer
- ● DBA

CS403:Grand Quiz

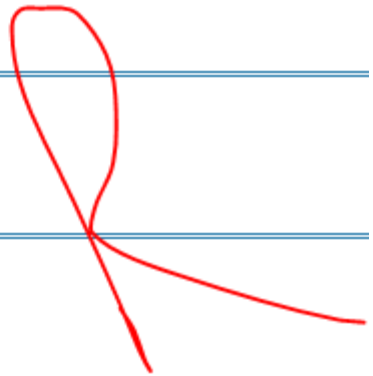
Quiz Start T

Question # 15 of 30 (Start time: 09:22:26 AM, 25 June 2021)

When one entity instance needs instance of another entity for its existence, then it is called _____.

Select the correct option

- ○ Referential dependency
- ○ Acceptance dependency
- ● Existence dependency
- ○ Identifier dependency



CS403:Grand Quiz

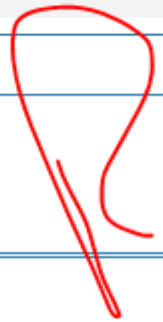
Quiz Start Time: 09:18 AM, 25 June 2

Question # 16 of 30 (Start time: 09:22:42 AM, 25 June 2021) **Total Mar**

In the relational model, the number of attributes and number of tuples in a relation are termed as _____and _____respectively.

Select the correct option

- ○ cardinality, domain
- ● degree, cardinality
- ○ domain, degree
- ○ cardinality, degree



CS403:Grand Quiz Q

Question # 17 of 30 (Start time: 09:23:01 AM, 25 June 2021)

A Database System is designed to meet the information needs of _____in an organization.

Select the correct option

- ○ Application user
- ○ Database administrator
- ● Multiple users
- ○ Single user

CS403:Grand Quiz

Question # 18 of 30 (Start time: 09:23:16 AM, 25 June 2021)

In entity relationship diagram an instance is _____.

Select the correct option

- ○ any particular entity
- ○ an attribute of an entity
- ● a particular occurance of an entity
- ○ a special type of relation

CS403:Grand Quiz

Question # 18 of 30 (Start time: 09:23:16 AM, 25 June 2021)

In entity relationship diagram an instance is _____.

Select the correct option

- ○ any particular entity
- ○ an attribute of an entity
- ● a particular occurance of an entity
- ○ a special type of relation

CS403:Grand Quiz

Quiz Start Tim

Question # 19 of 30 (Start time: 09:23:35 AM, 25 June 2021)

A relational table is in third normal form (3NF) if it is already in 2NF and every non-key column is non-transitively dependent upon its _____.

Select the correct option

- ○ Candidate Key
- ○ Super Key
- ○ Foreign Key
- ● Primary Key

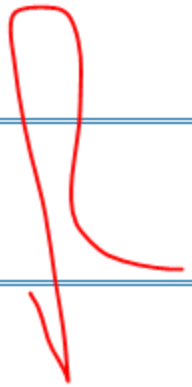
CS403:Grand Quiz

Question # 20 of 30 (Start time: 09:23:51 AM, 25 June 2021)

Which of the following is NOT a component of a DFD?

Select the correct option

- ○ Datastore
- ● Relationship between external entities
- ○ Dataflow
- ○ External entities



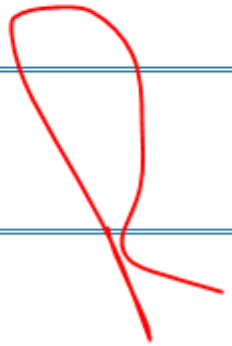
CS403:Grand Quiz

Question # 21 of 30 (Start time: 09:24:06 AM, 25 June 2021)

A collection of concepts that can be used to describe the structure of a database is called _____.

Select the correct option

- ○ Database
- ● Data model
- ○ DBMS
- ○ Data



CS403:Grand Quiz

Question # 22 of 30 (Start time: 09:24:55 AM, 25 June 2021)

Once the data has been transported to the physical level it is then managed by the _____.

Select the correct option

- ○ File manager
- ● Operating system
- ○ DBMS
- ○ Database administrator (DBA)

CS403:Grand Quiz

Question # 23 of 30 (Start time: 09:25:13 AM, 25 June 2021)

Entities enrolled in a relationship are called its_____.

Select the correct option

- ○ Symbols
- ● Participants
- ○ Roles
- ○ Instances

CS403:Grand Quiz Quiz

Question # 24 of 30 (Start time: 09:25:27 AM, 25 June 2021)

Conceptual database design, expressed in E-R data model can be implemented using any _____.

Select the correct option

- ○ Data model
- ○ Software
- ○ Operating system
- ● Database Management System (DBMS)

CS403:Grand Quiz Quiz Sta

Question # 25 of 30 (Start time: 09:25:42 AM, 25 June 2021)

Which of the following tool is used to graphically represent the components and design of the system?

Select the correct option

- ○ EDF
- ○ CRF
- ● DFD
- ○ CRM

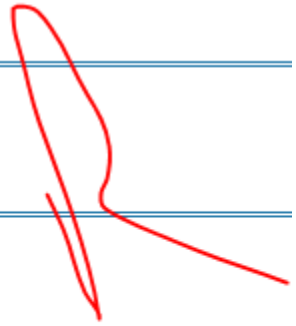
CS403:Grand Quiz

Question # 26 of 30 (Start time: 09:25:56 AM, 25 June 2021)

Which of the following change can cause problem in database levels?

Select the correct option

- ○ Changing the type of a specific field
- ○ Adding a file to the database
- ● Deleting an attribute from the database structure
- ○ Adding a new field in a file



CS403:Grand Quiz

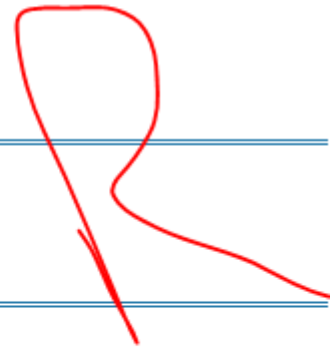
Quiz

Question # 27 of 30 (Start time: 09:26:10 AM, 25 June 2021)

_____ states that in a relation no attribute of a primary key (PK) can have a null value.

Select the correct option

- ○ Null Constraint
- ● Entity Integrity Constraint
- ○ Domain Constraint
- ○ Referential Integrity Constraint



CS403:Grand Quiz

Question # 28 of 30 (Start time: 09:26:25 AM, 25 June 2021)

Which of the following is an empty value but distinct from zero and spaces?

Select the correct option

- ○ Referential Integrity
- ○ Default Value
- ○ Range Value
- ● Null Value

CS403:Grand Quiz

Question # 29 of 30 (Start time: 09:26:40 AM, 25 June 2021)

If A -> B and A -> C, then A -> BC
The Inference Rule applies is;

Select the correct option

○	Reflexivity
○	Augmentation
○	Decomposition
●	Union

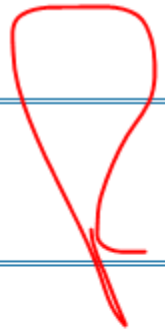
CS403:Grand Quiz

Question # 30 of 30 (Start time: 09:26:59 AM, 25 June 2021)

Which of the following Greek letter is used to denote the select operation?

Select the correct option

- ○ π
- ● σ
- ○ £
- ○ Ω



Riz Mughal

RIZ MUGHAL (SQA ENGINEER)