CS-403 Quiz -3 File

By Vu Topper RM

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The log file is also called----------.
Hash file.
Temporary file
Transaction file
Non-Transaction file.

An effective user interface minimizes the---------- users require to learn and implement the system.
Space
Time Page239
Complexity
Efficiency

----------types of caching are commonly used in personal computers.
One
Two Page255
Three
Four

Following are the characteristics of _____.
Non indexes to search or maintain
Very fast direct access

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Inefficient sequential access

Use when direct access in needed, but sequential access is not
Index access
Sequential index
Hashed access
Non hashed access

The index which has some of the key value is classified as---------.
Linear index
Dense index
Non dense index
Cluster index

The general activities, which are performed during the development of---------- Data input programmers, Editing, Display, Processing related activities and Reports.
Database program
Hardware Program
Application program
Micro Kemal program

According to his/her level of knowledge/ understanding how many types of users are there----------?
One
Two
Four
Three

There are ---------- types of user interfaces.
One
Four
Two

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Three

The two basic types of record access methods are----------.
Direct and immediate
Sequential and indexed
Sequential and random
Sequential and immediate

When the power is turned off content of _____ is lost.
Volatile Storage Page255
Nonvolatile Storage
Permanent Storage
Hard disk Storage

"It should be user friendly and user must not search for required buttons or text boxes" this statement is about----------.
Language.
System program
Application program
User friendly interface Page243

A memory cache, sometimes called a cache store or----------.
RAM Page255
DROM
ROM
Hard disk

A ----------index determines the storage order of data in a table.
Dense
Primary
Clustered Page275
Secondary

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Which of the following is not related to Index sequential file structure?
Records are stored in sequence and index in maintained.
Dese and non dese type of indexes are maintained.
Track overflow and file overflow areas are ensuing.
We chose a number of buckets to corresponds to the number of search key values we will have stored in the data base.

Which file organization is allowed by a direct access storage device?
Sequential (VSAM or QSAM) Line Google

The---------should be user friendly, Data integrity must be ensured and checks can be applied within the tables.
Input forms Page246
Database
Computer language
Application programming

---------- provides rapid, non-sequential, direct access to records.
Hashing Page265
Sequential
Non hashing
Collision's handling

Users know what to do and how to do it are called -------.
New
Experts Page242
Beginners
Intermediate

Which of the following is one of the purposes of using DDL commands?
manipulating databases
inserting records into databases

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updating records into databases
Creating and destroying databases

Which of the following is incorrect about alter table statement?
Can be used to delete a column
Cannot be used to create a new table
Can be used to add column in the existing table
Cannot be used to modify type or size of an existing column

Which of the following is used to retrieve and insert information from database?
DML **Google**
DDL
DCL
Both DML and DDL

Which of the following is used with INSERT command to insert values in a DB table?
ONTO
INTO
UPTO
WITH

In SQL, which command is used to modify the rows of tables.
Update
Insert
Browse
Append

Identify the basic part(s) of a SELECT statement?
SELECT
FROM

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Both SELECT and FROM
DISTINCT

Columns used to uniquely identify individual rows of a given table, may be specified to be not NULL.
True
False

Objective of an order by clause is to display or arrange output of a select statement in a particular order.
True
False

Which of the following is not a part of an INSERT statement?
INTO
Modify
VALUE
INSERT

The _____ operator allows to use wild cards in the where clause of an SQL statement.
IN
FROM
LIKE
None of the above.

Which of the following is not an aggregate function
AVG
SUM
UPPER
MAX

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UPDATE command belongs to which type of Classification?
DDL
DCL
DQL
DML

GRANT belongs to which type of SQL commands classification
Select correct option:
DML
DDL
DCL
DQL

DML does not used to:
add new rows to tables
retrieve rows from table
modify the rows of tables
Alter a table definition

Which of the following SQL statements used to control access to the data and to the database?
GRANT
REVOKE
Both GRANT and REVOKE
SELECT

Which of the following is the correct syntax for adding a new column into an existing table?
ALTER TABLE name {ALTER [COLUMN] column type [(size)] [DEFAULT default] }
ALTER TABLE name { ADD [COLUMN] column type [(size)] [DEFAULT default] }
Both I and II.

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None of the above.

The _____ function helps reduce the need to use multiple OR conditions.
Like
IN
AND
Between

In SQL, which command is used to delete rows from table.
Delete
Remove
Truncate
Both I and II

Which of the flowing clauses allows to sort the records in result set?
Were
Order by
From
Having

n SQL queries, while creating tables or relations in database, key columns may be specified by
Null
Not Null
Data Type
None of the above

_____ Operators are the ones that require two operands on both sides of the operator.
Double
Tow Sided
Binary
None of the given options

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What happened if the Where clause is omitted from a Delete Statement?
All record from the table is deleted
No record from the tables will be deleted
First record of the tables will be deleted
The statement will not be executed and will give a syntax error

Grant belongs to which types of SQL command classification
DML
DDL
DCL
DQL

Update command belong to which type of classification
DML
DDL
DCL
DQL

Which of the following is not true regarding clustering?
It increases the efficiency since related records are placed close to each other.
Clustering makes records, difficult to access
Suitable to relatively static situations
It is a process, which means to place record from different tables to places in adjacent physical locations.

Truncate command responses time is _____ as compared to delete command.
Poor
Same
Better
Worst

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Which of the following is a String function in SQL?
Count
LEN
SQRT
SIN

Revoke is a _____ Statement
Data Definition
Control Access
Data Manipulation
Data Description

GRANT is a _____ command.
DDL
DML
DCL
None of the above

Consider a table named “emp” having fields Empname, EmpID, Age, salary. Which of the following is true if the following SQL statement tries to execute? SELECT * FROM emp WHERE Empname=’ALI’ ORDERBY Age;
The statement has a syntax error
The statement displays the entire fields from emp in which the Empname is ALI in any order
The statement displays the entire fields from emp in which the Empname is ALI in descending order of their age
The statement displays the entire fields from emp in which the Empname is ALI in ascending order of their age

What happens if the WHERE clause is omitted from a DELETE statement?
All records from the table are deleted
No record from the table will be deleted

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First record of the table will be deleted
The statement will not be executed and will give a syntax error

Truncate command response time is ____ as compared to Delete command.
Poor
Same
Better
worst

Which of the following is used to filter rows according to some condition(s)?
SELECT
FROM
WHERE
UPDATE

Suppose we have two tables T1 and T2 Tuples of T1 that do not match some row in T2 will not appear in
Outer Join
Inner Join
Both I and II
None of the above

A relation is said to be in BCNF when
it has overlapping composite keys
it has no composite keys
it has no multivalued dependencies
it has no overlapping composite keys which have related attributes

Is the given SQL Statement prompt error?
Select * from relation 1;
Logical Error
No Error

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Parameter Error
Time out Error

The most recently accessed data from the disk (as well as adjacent sectors) is stored in a ----------.
Memory buffer
EPROM
ROM
hard disk

_____ User Interface is preferred over _____ User Interface with respect to user.
Easy to understand, efficient
Hard to understand, efficient
Easy to understand, effective
Hard to understand, effective

Data Manipulation Language (DML) is the set of commands used to maintain and query a database including updating, inserting, modifying and retrieving data.
True
False

Which of the following statements creates a database named IMDB.
CREATE DB IMDB;
CREATE IMDB DATABASE;
CREATE DATABASE IMDB;
ADD DATABASE named IMDB;

CREATE TABLE and CREATE index belongs to which type of SQL commands
DML
DDL
DCL

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DQL

SQL is used for:
Maintaining data integrity and coordinate data sharing.
Generating queries, organizing, managing and retrieving data stored in a database.
Creating, managing and deleting tables and manage the relationships among the stored date.
All of the above

Which language is used to permit or prohibit access to a table?
DCL
DDL
DML
All of the above.

Truncate is an alternative of Delete command.
True
False

Which of the following is NOT a DDL command?
Drop
Delete
Create DB
Create table

Which of the following function falls in the category of Aggregate functions?
SUM
MIN
MAX
All of the above

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SQL stands for _____.
I - Structured Query Language
II – Standard Query Language
lll- Status Query Language
Only I
Only II
Only lll
NONE

Making a change to the conceptual schema of a database but not affecting the existing external schemas is an example of
Physical data independence.
Concurrency control.
Logical data independence.
Functional dependency

SQL data types do not have support for storing multi-media objects directly.
True
False

Query Analyzer is used to practice SQL in MS-Access and MS-SQL Server.
True
False

Which of the following cannot be included into CREATE TABLE statement?
Data types
Constraints
Attributes
Cardinalities

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A relational database is
one that consists of two or more tables
a database that is able to process tables, queries, forms, reports and macros
one that consists of two or more tables that are joined in some way
the same as a flat file database

Which model operates at the lowest level of abstraction?
conceptual
internal
external
physical

A_____is used to maintain a connection between the users of the database system.
mail server
file server
client-server
none of the given

A collection of concepts that can be used to describe the structure of a database
Database
DBMS
Data model
Data

Data about data is metadata
True
False

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A primary key is an attribute (or set of attributes) that has been chosen for an entity, whose values are used to uniquely identify a particular instance of an entity.

True

False

Partially True

None of the given

Which of the following is INCORRECT statement concerning the database design process?

During requirements collection and analysis phase, one can gather the data requirements of database users.

By referring to a high-level data model, it is possible to understand the data requirements of the users, entity types, relationships and constraints.

Transformation of the high-level data model into the implementation data model is called logical design or data model mapping.

During the logical design phase of internal storage structures, access paths and file organization for the database files are specified.

Which feature of database provides conversion from inconsistent state of DB to a consistent state ensuring minimum data loss?

User accessible catalog

Data processing

Recovery service

Authorization service

Who is responsible for authorizing access to the database, for coordinating and monitoring its use?

Database Designer

Database Administrator

End User

Application Programmer

Which of the following describes the job of a database administrator?

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Development, implementation operation of the physical database
Creation of the system catalog
Monitoring and controlling database security and authorization:
Setting up controls to ensure the quality and integrity of data
All of the above

Which of the following is NOT a component of a DFD?
Dataflow
Datastore
External entities
Relationship between external entities

The Entity Relation Model models
Entities, Relationships and Processes
Entities and Relationships
Relationships
Entities

A relational database system is based on the concept(s) of:
A network of data records
Nested tables
Tables, rows and columns
A tree-like structure of data

What does the abbreviation DBMS stand for?
Database Manipulation Software.
Data Borrowing and Movement Software
Digital Base Mapping System.
Database Management System.

Identify the language which is used to specify database schema.
DCL
DML
DDL

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TCL

Value of a function in SQL is always determined by the input parameters
True
False

The _____ keyword is used in SELECT statement to return different values.
LIKE
IN
Distinct

Which is the subset of SQL commands used to manipulate Oracle Database structures, including tables?
Data Definition Language(DDL)
Data Manipulation Language (DML)
DML and DDL
None of the Mentioned

Which of the following is/are the DDL statements?
Create
Drop
Alter
All of the Mentioned

In SQL, which command(s) is(are) used to change a table's storage characteristics?
ALTER TABLE
MODIFY TABLE
CHANGE TABLE
All of the Mentioned

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In SQL, which of the following is not a data definition language command?
RENAME
REVOKE
GRANT
UPDATE

_____clause is an additional filter that is applied to the result. a) Select
Group-by
Having
Order by

_____ defines rules regarding the values allowed in columns and is the standard mechanism for enforcing database integrity. a) Column
Constraint
Index
Trigger

Foreign Key is
A field in a table that matches a key field in another table
A field in a table that contains data that is also contained elsewhere in another table
A field in a table that has the same name as a key field in another table

Data about data is database
True
False
Partially True
None of the Above

Which one of the following is NOT a characteristic of Meta data?
Data about data
Describes a data dictionary
Self-describing

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Includes user data

The most widely used conceptual model is the __ model.
implementation
ER
Object Oriented internal

Which of the following describes a database system?
A collection of stored operational data used by the application system of some particular enterprise
A shared collection of logically related data (and a description of this data) designed to meet the information needs of an organization **A Collection of stored data organized in such a way that all user requirements are satisfied by the database**

Which of the following constraints enforces entity integrity?
PRIMARY KEY
FOREIGN KEY
CHECK
NOT NULL

A candidate key that does not have a null value and is selected to uniquely identify all other attribute values in any given row is called a _
super key
candidate key
primary key
secondary key

FV diagram?
Single DFD is required to represent a system
Created at increasing levels of detail
The dataflow must be bidirectional
Used to represent the relationships among the external entities

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User rights information is stored in
Physical database
Catalog
Logical database
Buffer

Which of the following might be represented with a multivalued attribute?
person's name
class location
bank account balance book title

An instance is
A particular occurrence of an entity
A special type of relation
An attribute of an entity
Any particular entity

Software packages designed to store and manage databases
Database
DBMS
Data model
Data

The main software package that supports a database management approach is called Select correct option: Data Dictionary
Report Generator
Database Management System
Distributed database

The ER model is meant to select correct option:
replace relational design be close to
a user's perception of the data
enable low level descriptions of data

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enable detailed descriptions of data query processing

A description on a particular collection of data using the given data model
Database
Relation
Schema
None

Which of the following functions are NOT performed by a database administrator?
Planning, designing and implementing database systems
Establishing standards and procedures for database systems
Communicating with database users
Allocation of storage locations and data structures

Level of data at which entities or objects exist in reality is called
Real world data
Schema for real world data
Meta data
Data about data

An entity type is defined when the database is actually constructed a specific type such as an integer, text, date, logical etc
a coherent set of similar objects that we want to store data on (e.g. STUDENT, COURSE, CAR)
defined by the database designer

In a three-level DBMS architecture, the _____ level interacts directly with the users.
external
conceptual internal physical

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Which of the following function falls in the category of Aggregate functions.
SUM
MIN
MAX
All of the above

The statement displays the entire fields from emp in which the Empname is ALI in descending order of their age
The statement displays the entire fields from emp in which the Empname is ALI in ascending order of their age
I - Structured Query Language II – Standard Query Language lll- Status Query Language Select correct option:
Only lll

DML stands for _____.
Select correct option:
Dynamic Modeling Language
Data Manipulation Language
Data Management Language
Domain Modeling Language

Functions in SQL return a single value
True
False

Correct statement for creating table in Microsoft SQL server is.
CREATE TABLE Customer (SID integer PRIMARY KEY, Last_Name varchar(30), First_Name varchar(30));
CREATE TABLE Customer (SID integer, Last_Name varchar(30), First_Name varchar(30))
CREATE Customer (SID integer, Last_Name varchar(30), First_Name varchar(30));

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All of the above

We should not compromise _____ over efficiency.
Consistency
Normalization
Query response time
All of the above

Functions in SQL return a single value Select correct option:
True
False

DML stands for _____.
Dynamic Modeling Language
Data Manipulation Language
Data Management Language
Domain Modeling Language

Suppose we have two tables T1 and T2. Tuples of T1 that do not match some row in T2 will not appear in
Outer Join
Inner Join
Both I and II
None of the above

Within a table, each primary key value __.
is a minimal super key being always the first field in each table
must be numeric
must be unique

Which of the following is correct regarding Dataflow diagram?
Single DFD is required to represent a system
Created at increasing levels of detail
The dataflow must be bidirectional

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Used to represent the relationships among the external entities

Data Redundancy Means
Security of data
Duplication of data
Management of data
Recovery of data

Controlling redundancy in a database management system DOES NOT help to----------
avoid duplication
avoid unnecessary wastage of storage space
avoid unauthorized access to data
avoid inconsistency among data

In an ERD, the focus is on the __ and the relationships between them.
attributes
entities keys
indexes

Which levels are mostly used for Detailed DFD?
Level-0, Level-1
Level-1, Level-2
Level-2, Level-3
Level-3, Level-4

In case of Context-level Diagram, the system is represented by---
One process at least
Two processes at least
One process only

A table can be logically connected to another table by defining a ____.
hyperlink
Common attribute

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primary key
super key

Which of the following is not DML command?
Select
Delete
Update
Truncate

which of the following prevents duplicate values to be displayed as a result of an SQL statement?
DISTINCT
DELETE
UPDATE
ALTER

In SQL which command is used to modify the rows of tables.
UPDATE
INSERT
BROWSE
APPEND

Data inconsistency leads to a number of problems such as
loss of information and incorrect results
less secure data redundant data
Slow database development

The maximum length for an identifier can be _____.
192 characters
512 characters
256 characters **Page 196**
128 characters

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With the help of _____ technique data values with the smaller sized codes can further reduce the space needed by the data for storage in the database.
Negation
Extension
Expansions
Compression Page 185

Programs written to perform different requirement created by the users/organization are called----------
Chip program
System Program
low level program
Application program Page 238

Which of the following syntax of the functions in SQL is used to add column values?
COUNT(*)
SUM(expression)
MAX(expression)
COUNT(expression)

Forms are used in application programs, how many types of forms are available----------?
One
Two
Five
Four

A 3 NF relation is converted to BCNF by?
removing composite keys
removing multivalued dependencies
dependent non-key attributes are put in a separate table

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dependent attributes of overlapping composite keys are put in a separate relation

GRANT command belongs to which type of classification?
DQL
DCL
DML
DDL

General reasoning for horizontal or vertical partitioning is _____.
Increasing the consistency
Increase data communication
Decreasing the query response time
Smaller tables are more efficient to process as compared to the larger tables.

Which of the following statement creates a database named IMDB?
CREATE IMDB DATABASE;
CREATE DB IMDB;
CREATE DATABASE IMDB;
ADD DATABASE named IMDB;

Indexes are built on _____to improve query performance.
Tables
Records
Columns Page 193
Relationships

In vertical partitioning if we divide a table into two vertical partitions, then efficiency of those applications which _____ will be reduced.
Access data from relations
Access data from first vertical partition.
Access data from second vertical partition
Access data from both the vertical partitions.

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Data type “BLOB” in database management system stands for _____.
Bipolar large object
Binary long objective
Binary large Object
Binary large objective

Which of the following SQL clauses used to sort the records in result set?
From
Where
Having
Orde by

Normalization of database is used to _____.
Minimize errors
Improve security
Improve design
Eliminate redundancy

Which of the following is NOT related to partitioning and placement in database?
Reduce workload
Balance workload
Speed up the rate of useful work
None of these **Page 189**

A function that has no partial functional dependencies is in _____ .
1NF
2NF **Google**
3NF
BCNF

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A fully normalized database schema can fail to provide applicable system response time due to _____.
Excessive query execution
Use of sub queries
Removal of redundant data
excessive table join operations Page 188

Which of the following is a correct syntax of selecting all the columns from a table called PERSONS?
SELECT * FROM Persons

Value of a function in SQL is always determined by the input parameters
True
False

Consider a table named “emp” having fields Empname, EmpID, Age, salary. Which of the following is true if the following SQL statement tries to execute?
SELECT *
FROM emp
WHERE Empname=’ALI’
ORDERBY Age;
The statement displays the entire fields from emp in which the Empname is ALI
The statement has a syntax error
The statement must have an ORDER clause
The statement displays the employe id of those employ whos name is ali

Text base & Graphical User Interface (GUI) most commonly called as Forms are two different type of __.
Application Program
System program

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User interface
Language

DBMS stand for?
Database management software
Data borrowing and movement software
Digital base mapping system
Database management system

A function that has no partaial functional dependencies is in ____.
2NF
3NF
1NF
BCNF

Browser Based & Non-Browser/Simple are two different types of _____.
Forms
Language
Interface
Programs

The condition allows to retrieve values within a specific range.
AND
LIKE
BETWEEN
FROM

Which of the following is an empty value but distinct from zero and spaces?
Default value
Range value
Null value
Referential integrity

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At which design level de-normalization will take place?
Conceptual design
Logical design
Physical design
All of the above

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