

DATABASE

Total points 26/30 ?

PRN *

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✓ In general, a file is basically a collection of all related _____. *

1/1

- ☐ Rows & Columns
- ☐ Fields
- ☐ Database
- ☒ Records



✓ Rows of a relation are known as the _____. *

1/1

- ☐ Degree
- ☒ Tuples
- ☐ Entity
- ☐ All of the above



✓ Which one of the following is a type of Data Manipulation Command? * 1/1

- ☐ Create
- ☐ Alter
- ☒ Delete
- ☐ All of the above



✓ Which one of the following is a set of one or more attributes taken collectively to uniquely identify a record? *1/1

- ☐ Candidate key
- ☐ Sub key
- ☒ Super key
- ☐ Foreign key



✓ The____ operation allows the combining of two relations by merging pairs of tuples, one from each relation, into a single tuple. *1/1

- ☐ Select
- ☒ Join
- ☐ Union
- ☐ Intersection



✓ The result which operation contains all pairs of tuples from the two relations, regardless of whether their attribute values match. *1/1

- ☐ Join
- ☒ Cartesian product
- ☐ Intersection
- ☐ Set difference



✓ Updating the value of the view * 1/1

- ☒ Will affect the relation from which it is defined
- ☐ Will not change the view definition
- ☐ Will not affect the relation from which it is defined
- ☐ Cannot determine



✓ SQL view is said to be updatable (that is, inserts, updates or deletes can be applied on the view) if which of the following conditions are satisfied by the query defining the view? *1/1

- ☐ The from clause has only one database relation
- ☐ The query does not have a group by or having clause
- ☐ The select clause contains only attribute names of the relation and does not have any expressions, aggregates, or distinct specification
- ☒ All of the mentioned



✓ The wildcard in a WHERE clause is useful when? * 1/1

- ☐ An exact match is necessary in a SELECT statement.
- ☒ An exact match is not possible in a SELECT statement. ✓
- ☐ An exact match is necessary in a CREATE statement.
- ☐ An exact match is not possible in a CREATE statement.

✓ A view is which of the following? * 1/1

- ☒ A virtual table that can be accessed via SQL commands ✓
- ☐ A virtual table that cannot be accessed via SQL commands
- ☐ A base table that can be accessed via SQL commands
- ☐ A base table that cannot be accessed via SQL commands

✓ Which of the following are the five built-in functions provided by SQL? * 1/1

- ☒ COUNT, SUM, AVG, MAX, MIN ✓
- ☐ SUM, AVG, MIN, MAX, MULT
- ☐ SUM, AVG, MULT, DIV, MIN
- ☐ SUM, AVG, MIN, MAX, NAME



✓ Triggers are not supported in *

1/1

- ☐ Delete
- ☐ Update
- ☒ Views
- ☐ All of the mentioned



✓ The CREATE TRIGGER statement is used to create the trigger. THE ____ *1/1
clause specifies the table name on which the trigger is to be attached.
The ____ specifies that this is an AFTER INSERT trigger.

- ☐ for insert, on
- ☒ On, for insert
- ☐ For, insert
- ☐ None of the mentioned



✓ Aggregate functions are functions that take a _____ as input and *1/1
return a single value.

- ☒ Collection of values
- ☐ Single value
- ☐ Aggregate value
- ☐ Both Collection of values & Single value



✓ Select count (___ ID) from teaches where semester = 'Spring' and year = 2010; If we do want to eliminate duplicates, we use the keyword ___ in the aggregate expression. *1/1

- ☒ Distinct
- ☐ Count
- ☐ Avg
- ☐ Primary



✓ All aggregate functions except ___ ignore null values in their input collection. *1/1

- ☐ Count(attribute)
- ☒ Count(*)
- ☐ Avg
- ☐ Sum



✓ The ___ connective tests for set membership, where the set is a collection of values produced by a select clause. The ___ connective tests for the absence of set membership. *1/1

- ☐ Or, in
- ☐ Not in, in
- ☒ In, not in
- ☐ In, or



✓ Data integrity constraints are used to: *

1/1

- ☐ Control who is allowed access to the data
- ☐ Ensure that duplicate records are not entered into the table
- ☒ Improve the quality of data entered for a specific property (i.e., table column) ✓
- ☐ Prevent users from changing the values stored in the table

✗ Consider attributes ID, CITY and NAME. Which one of this can be considered as a super key?

*0/1

- ☐ NAME
- ☐ ID
- ☐ CITY
- ☒ CITY, ID

✗

Correct answer

- ☒ ID

✓ ROLLBACK in a database is ____ statement. *

1/1

- ☐ DDL
- ☐ DML
- ☐ DCL
- ☒ TCL

✓



✓ In an E-R diagram an entity set is represent by a _____. *

1/1

- ☒ Rectangle
- ☐ Ellipse
- ☐ Diamond box
- ☐ Circle



✓ Select a incorrect statement from the following. *

1/1

- ☐ UNION is used to combine the results of two or more Select statements.
- ☐ MySQL does not supports INTERSECT operator.
- ☐ Intersect operation is used to combines common statements from two SELECT statements.
- ☒ MySQL supports Sequences.



✓ The data dictionary tells the DBMS : *

1/1

- ☐ what files are in the database
- ☐ what attribute are possessed by the data
- ☐ what these files contain
- ☒ All of the above



✗ In order to use a DBMS, it is important to understand : *

0/1

- ☐ the physical schema
- ☐ all subscheme that the system support
- ☐ one subschema
- ☒ both A and B

✗

Correct answer

- ☒ one subschema

✗ Which one is an incorrect statement about a view ? *

0/1

- ☒ A view is derived from other people
- ☐ It can be updated like a table
- ☐ DROP view is used to dispose it
- ☐ All are correct statements

✗

Correct answer

- ☒ All are correct statements



✗ A logical schema *

0/1

- ☐ A is the entire database
- ☒ B is a standard way of organising information into accessible parts ✗
- ☐ C describe how data is actually stored on the disk
- ☐ both A and C

Correct answer

- ☒ A is the entire database

✓ The DBMS language component which can be embedded in a program * 1/1

- ☐ The data definition language(DDL)
- ☒ The data manipulation language(DML) ✓
- ☐ The database administrator(DBA)
- ☐ A query language

✓ Which of the following isa legal expression in SQL? * 1/1

- ☐ SELECT NULL FROM EMPLOYEE
- ☒ SELECT NAME FROM EMPLOYEE ✓
- ☐ SELECT NAME FROM EMPLOYEE WHERE SALARY = NULL
- ☐ None of the above



✓ A primary key is combined with a foreign key creates *

1/1

- ☒ Parent child relationship between the tables and connects them ✓
- ☐ Many to many relationships between the tables that connect them
- ☐ Network model between the tables that connects them
- ☐ None of the above

✓ Which one of the following given statements possibly contains the error? * 1/1

- ☐ select * from emp where empid = 10003;
- ☐ select empid from emp where empid = 10006;
- ☐ select empid from emp;
- ☒ select empid where empid = 1009 and Lastname = 'GELLER'; ✓

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