DATABASE-1

Total points   11/42   ?

Marks :40 , Time: 1 hr

✕ **Name ***   ···/1

SAD   ✕

✕ **12- DIGIT PRN ***   ···/1

123456789365   ✕

✕ **Which is not the relational algebra operator?**   0/1

○ Set difference

○ Cartesian product

◉ Rename   ✕

○ Join

Correct answer

◉ Set difference

✕   Which of the following is generally used for performing tasks like creating   0/1
    the structure of the relations, deleting relation?

⦿ DML(Data Manipulation Language)   ✕

◯ Query

◯ Relational Schema

◯ DDL(Data Definition Language)

Correct answer

⦿ DDL(Data Definition Language)

✓   Which of the following provides the ability to query information from the   1/1
    database and insert tuples into, delete tuples from, and modify tuples in
    the database?

⦿ DML(Data Manipulation Language)   ✓

◯ DDL(Data Definition Language)

◯ Query

◯ Relational Schema

✕ The given Query can also be replaced with_____: 0/1

```
SELECT name, course_id
FROM instructor, teaches
WHERE instructor_ID= teaches_ID;
```

◉ Select name,course_id from teaches,instructor where instructor_id=course_id;   ✕

○ Select name, course_id from instructor natural join teaches;

○ Select name, course_id from instructor;

○ Select course_id from instructor join teaches;

Correct answer

◉ Select name, course_id from instructor natural join teaches;

✕ Which one of the following given statements possibly contains the error?   0/1

◉ 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';

Correct answer

◉ select empid where empid = 1009 and Lastname = 'GELLER';

✕ In the below-given Query, which of the following can be placed in the   0/1
   Query's blank portion to select the "dept_name" that also contains
   Computer Science as its ending string?

SELECT emp_name

FROM department

WHERE dept_name LIKE ' _____ Computer Science';

○ &   ✕

○ _

○ %

○ $

Correct answer

◉ %

✓ What do you mean by one to many relationships?   1/1

○ One class may have many teachers

◉ One teacher can have many classes   ✓

○ Many classes may have many teachers

○ Many teachers may have many classes

✓   In the following Query, which of the following can be placed in the Query's   1/1
     blank portion to display the salary from highest to lowest amount, and
     sorting the employs name alphabetically?

SELECT *
FROM instructor
ORDER BY salary ____, name ___;

○ Ascending, Descending

○ Asc, Desc

◉ Desc, Asc   ✓

○ All of the above

✗   A Database Management System is a type of _____software.   0/1

○ It is a type of system software

○ It is a kind of application software

◉ It is a kind of general software   ✗

○ Both A and C

Correct answer

◉ It is a type of system software

✗ The term "NTFS" refers to which one of the following?   0/1

○ New Technology File System

◉ New Tree File System   ✗

○ New Table type File System

○ Both A and C

Correct answer

◉ New Technology File System

✗ A huge collection of the information or data accumulated form several   0/1
   different sources is known as _____:

○ Data Management

◉ Data Mining   ✗

○ Data Warehouse

○ Both B and C

Correct answer

◉ Data Warehouse

✕   Which of the following can be used to extract or filter the data &   0/1
    information from the data warehouse?

    ⦿ Data redundancy   ✕

    ◯ Data recovery tool

    ◯ Data mining

    ◯ Both B and C

Correct answer

⦿ Data mining

✓   Which one of the following refers to the copies of the same data (or   1/1
    information) occupying the memory space at multiple places.

    ◯ Data Repository

    ◯ Data Inconsistency

    ◯ Data Mining

    ⦿ Data Redundancy   ✓

✓   Which one of the following refers to the "data about data"?   1/1

    ◯ Directory

    ◯ Sub Data

    ◯ Warehouse

    ⦿ Meta Data   ✓

✕   Which of the following refers to the level of data abstraction that describes   0/1
exactly how the data actually stored?

○   Conceptual Level

○   Physical Level

◉   File Level   ✕

○   Logical Level

Correct answer

◉   Physical Level

✕   In general, a file is basically a collection of all related_____.   0/1

◉   Rows & Columns   ✕

○   Fields

○   Database

○   Records

Correct answer

◉   Records

✕   The term "Data" refers to: 0/1

○ The electronic representation of the information(or data)   ✕

○ Basic information

○ Row Facts and figures

○ Both A and C

Correct answer

◉ Row Facts and figures

✕   Which of the following refers to the number of tuples in a relation?   0/1

○ Entity

◉ Column   ✕

○ Cardinality

○ None of the above

Correct answer

◉ Cardinality

✕   Which one of the following is a type of Data Manipulation Command?   0/1

⦿ Create   ✕

◯ Alter

◯ Delete

◯ All of the above

Correct answer

⦿ Delete

✕   Which of the following is a top-down approach in which the entity's higher   0/1
level can be divided into two lower sub-entities?

⦿ Aggregation   ✕

◯ Generalization

◯ Specialization

◯ All of the above

Correct answer

⦿ Specialization

✕   In which one of the following, the multiple lower entities are grouped (or   0/1
    combined) together to form a single higher-level entity?

⦿ Specialization   ✕

◯ Generalization

◯ Aggregation

◯ None of the above

Correct answer

⦿ Generalization

✓   In a relation database, every tuples divided into the fields are known as   1/1
    the_____.

◯ Queries

⦿ Domains   ✓

◯ Relations

◯ All of the above

✗   Which of the following is used in the application programs to request data   0/1
    from the database management system?

◯   Data Manipulation language

◯   Data Definition Language

◯   Data Control Language

⦿   All of the above   ✗

Correct answer

⦿   Data Manipulation language

✓   Which one of the following command is used to delete the existing row in a 1/1
    table?

⦿   Delete   ✓

◯   Update

◯   Insert

◯   None of the above

✓ Which of the following commands is used to save any transaction   1/1
permanently into the database?

◉ Commit   ✓

○ Rollback

○ Savepoint

○ None of the above

✗ Which one of the following commands is used to restore the database to   0/1
the last committed state?

○ Savepoint

○ Rollback

◉ Commit   ✗

○ Both A & B

Correct answer

◉ Rollback

✓ The database management system can be considered as the collection of 1/1
____ that enables us to create and maintain the database.

○ Translators

◉ Programs   ✓

○ Keys

○ Language activity

✕ Which of the following refers collection of the information stored in a   0/1
database at a specific time?

◉ Independence   ✕

○ Instance of the database

○ Schema

○ Data domain

Correct answer

◉ Instance of the database

✕   The term "Data independence" refers to_____   0/1

○   Data is defined separately and not included in the programs

○   Programs are not dependent on the logical attributes of the data

◉   Programs are not dependent on the physical attributes of the data   ✕

○   Both B & C

Correct answer

◉   Both B & C

✕   What is the relation calculus?   0/1

○   It is a kind of procedural language

○   It is a non-procedural language

◉   It is a high-level language   ✕

○   It is Data Definition language

Correct answer

◉   It is a non-procedural language

✗   Which one of the following refers to the total view of the database content? 0/1

○ Conceptual view

○ Physical view

◉ Internal view   ✗

○ External view

Correct answer

◉ Conceptual view

✓   The architecture of a database can be viewed as the _____   1/1

○ One level

○ Two-level

◉ Three-level   ✓

○ Four level

✕ The Database Management Query language is generally designed for the   0/1
___

○ Support end-users who use English like commands

○ Specifying the structure of the database

◉ Support in the development of the complex applications software   ✕

○ All of the above

Correct answer

◉ All of the above

✕ Which of the following keys is generally used to represents the   0/1
relationships between the tables?

◉ Primary key   ✕

○ Foreign key

○ Secondary key

○ None of the above

Correct answer

◉ Foreign key

✕ A computer security protocol for logging-in can be considered as the   0/1
example of the _____ component of an information system.

◉ Data   ✕

◯ Software

◯ Procedure

◯ Hardware

Correct answer

◉ Procedure

✕ Which one of the following is commonly used to define the overall design   0/1
of the database?

◯ Application program

◉ Data definition language   ✕

◯ Schema

◯ Source code

Correct answer

◉ Schema

✕   Which one of the following commands is used to modify a column inside a 0/1
table?

◉ Drop   ✕

◯ Update

◯ Alter

◯ Set

Correct answer

◉ Alter

✕   When a primary key is define in the table, DBMS automatically creates a   0/1
____ on a primary key column

◯ Unique index

◯ Sequence

◯ Trigger

◉ Synonym   ✕

Correct answer

◉ Unique index

✓ Which normal form is the partial dependency removed?   1/1

○ First

◉ Second   ✓

○ Third

○ BCNF

✗ The problem caused by independent multivalued dependencies is eliminated in which of the normal form?   0/1

◉ 3NF   ✗

○ BCNF

○ 4NF

○ 5NF

Correct answer

◉ 4NF

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