CV

Databases

Quiz navigation

1 2 3 4 5 6 7 8 9

Finish attempt ...

Time left **0:13:46**

Question **1**

Not yet answered

Marked out of 1

Flag question

Considering the following Oracle "Sailors" table:

sid	*sname*	*rating*	*age*
22	Dustin	7	45.0
29	Brutus	1	33.0
31	Lubber	8	55.5
32	Andy	8	25.5
58	Rusty	10	35.0
64	Horatio	7	35.0
71	Zorba	10	16.0
74	Horatio	9	35.0
85	Art	3	25.5
95	Bob	3	63.5

How many rows will result by running the query:
SELECT * FROM Sailors WHERE rating > ALL(7, 3, 10)?

- a. 10
- b. 9
- c. 7
- d. 0

Question **2**
Complete
Mark 1 out of 1
Flag question

The representation of an relationship set in ER diagrams is a:

- a. Pentagon.
- b. Ellipse.
- c. Diamond. ✓
- d. Rectangle.

Question **3**
Complete
Mark 1 out of 1
Flag question

When we translate a ER model into a relational model, the constraint that should be added to the foreign key which link a weak entity to the owner entity should be:

- a. ON DELETE CASCADE ✓
- b. ON DELETE SET NULL
- c. CHECK N>0
- d. ON DELETE NO ACTION

Question **4**
Complete
Mark 1 out of 1

Which of the following models are used to analyze and understand the applic

- a. Data model.

Mark 1 out of 1
Flag question

a. ON DELETE CASCADE

b. ON DELETE SET NULL

c. CHECK N>0

d. ON DELETE NO ACTION

Question **4**
Complete
Mark 1 out of 1
Flag question

Which of the following models are used to analyze and understand the application data?

a. Data model.

b. None of the above.

c. Physical model.

d. Conceptual model

Question **5**
Complete
Mark 0 out of 1
Flag question

Considering the following Oracle "Sailors" table:

sid	*sname*	*rating*	*age*
22	Dustin	7	45.0
29	Brutus	1	33.0
31	Lubber	8	55.5
32	Andy	8	25.5
58	Rusty	10	35.0

c. Physical model.

d. Conceptual model.

Question **5**
Complete
Mark 0 out of 1
Flag question

Considering the following Oracle "Sailors" table:

sid	*sname*	*rating*	*age*
22	Dustin	7	45.0
29	Brutus	1	33.0
31	Lubber	8	55.5
32	Andy	8	25.5
58	Rusty	10	35.0
64	Horatio	7	35.0
71	Zorba	10	16.0
74	Horatio	9	35.0
85	Art	3	25.5
95	Bob	3	63.5

How many rows will result by running the query:
SELECT * FROM Sailors WHERE rating > ANY(7, 3, 10)?

a. 10

b. 0

c. 7 ✓

d. 9

Question **6**

Which of the following statements is true regarding the relation between the degree/cardinality of the resulting

b. 0

c. 7

d. 9

Question **6**
Complete
Mark 0 out of 1
Flag question

Which of the following statements is true regarding the relation between the degree/cardinality of the resulting relation and inputs of a cartesian product?

a. The resulting relation degree will be greater and the cardinality will be equal compared with each input table.

b. The resulting relation degree will be greater and the cardinality will be lower compared with each input table.

c. The resulting relation degree will be greater and the cardinality will be greater compared with each input table.

d. The resulting relation degree will be equal and the cardinality will be greater compared with each input table.

Question **7**
Complete
Mark 1 out of 1

A relational database is in a consistent state if:

a. It does not contain empty tables.

DB Exam Part 1: Attempt review - Personal - Microsoft Edge

https://cv.upt.ro/mod/quiz/review.php?attempt=216415&cmid=169935

CV

Question **7**
Complete
Mark 1 out of 1
Flag question

A relational database is in a consistent state if:

- a. It does not contain empty tables.
- b. It does not contain any field set to NULL.
- c. All indexes where created.
- d. All defined integrity constraints are satisfied. ✓

Question **8**
Complete
Mark 0 out of 1
Flag question

Which of the following statements about a Relationship Set in ER model is not true?

- a. Same entity set can participate in different relationship sets.
- b. Same entity set can participate with different roles in different relationship sets.
- c. It can contains relationships or entities. ✓
- d. It represents a collection of similar relationships.

Question **9**
Complete
Mark 1 out of 1

The representation of an entity set in ER diagrams is a:

- a. Rectangle.

Screenshot saved
The screenshot was added to your OneDrive.
OneDrive

ENG 2:16 PM

Complete
Mark 0 out of 1
Flag question

a. Same entity set can participate in different relationship sets.

b. Same entity set can participate with different roles in different relationship sets.

c. It can contains relationships or entities.

d. It represents a collection of similar relationships.

Question **9**
Complete
Mark 1 out of 1
Flag question

The representation of an entity set in ER diagrams is a:

a. Rectangle.

b. Hexagon.

c. Ellipse.

d. Diamond.

DB Exam Part 1: Attempt review - Google Chrome

cv.upt.ro/mod/quiz/review.php?attempt=216397&cmid=169935

CV

d. Total participation.

Question 8
Complete
Mark 1 out of 1
Flag question

Which of the following is not an Armstrong Axiom?

a. Reflexivity.

b. Transitivity.

c. Augmentation.

d. Associativity. ✓

Question 9
Complete
Mark 1 out of 1
Flag question

The representation of an relationship set in ER diagrams is a:

a. Pentagon.

b. Rectangle.

c. Diamond. ✓

d. Ellipse.

Finish review

Type here to search

ENG 2:16 PM 12/7/2020

DB Exam Part 1: Attempt review - Google Chrome

cv.upt.ro/mod/quiz/review.php?attempt=216397&cmid=169935

CV

Question **6**
Complete
Mark 1 out of 1
Flag question

Which of the following statements is true regarding the relation between the degree/cardinality of the resulting relation and input of a projection relational operator?

a. The resulting relation degree will be lower or equal and the cardinality will be greater compared with the input table.

b. The resulting relation degree will be lower or equal and the cardinality will be lower or equal compared with the input table. ✓

c. The resulting relation degree will be greater and the cardinality will be lower compared with each input table.

d. The resulting relation degree will be equal and the cardinality will be greater compared with the input table.

Question **7**
Complete
Mark 1 out of 1
Flag question

The type of participation of the weak entity set in relationship with the owner in ER model is:

a. Partial participation.

b. Weak participation.

c. Can be any type.

d. Total participation. ✓

Question **8**
Complete
Mark 1 out of 1
Flag question

Which of the following is not an Armstrong Axiom?

a. Reflexivity.

b. Transitivity.

Type here to search

ENG 2:15 PM 12/7/2020

DB Exam Part 1: Attempt review - Google Chrome

cv.upt.ro/mod/quiz/review.php?attempt=216397&cmid=169935

CV

Finish review

Question 1
Complete
Mark 1 out of 1
Flag question

A thin line used to link an entity to a relationship denotes:

a. A weak participation constraint.

b. A strong participation constraint.

c. A partial participation constraint.

d. A total participation constraint.

Question 2
Complete
Mark 0 out of 1
Flag question

The manner the data is stored by a RDBMS on an external support is expressed by:

a. The external model.

b. The virtual model.

c. The physical model.

d. The conceptual model.

Question 3
Complete
Mark 1 out of 1
Flag question

Which of the following statements is true regarding the relation between the degree/cardinality of the resulting relation and inputs of a union product?

a. The resulting relation degree will be greater and the cardinality will be lower or equal compared with each input table.

b. The resulting relation degree will be greater and the cardinality will be equal compared with each input table.

Type here to search

ENG 2:15 PM 12/7/2020

DB Exam Part 1: Attempt review - Google Chrome

cv.upt.ro/mod/quiz/review.php?attempt=216397&cmid=169935

CV

Question **4**
Complete
Mark 1 out of 1
Flag question

Which of the following property does not represents a disadvantage of a file managed by the OS file system (to be used as a database repository)?

a. Poor data protection.

b. Lack of support for data searching.

c. General OS level protection.

d. Liniar acces to a text file. ? ✓

Question **5**
Complete
Mark 0 out of 1
Flag question

Considering the following schema:

Persons (pid: number, name: varchar, age: number)

where pid is the primary key, what query must be used to make room for a new entry having pid= 1?

a. UPDATE Persons SET pid = pid + 1 WHERE pid>1 ORDER BY pid;

b. UPDATE Persons SET pid = pid + 1;

c. UPDATE Persons SET pid = pid + 1 ORDER BY pid DESC ;

d. UPDATE Persons SET pid = pid + 1 WHERE pid > 1; ✓

Question **6**
Complete

Which of the following statements is true regarding the relation between the degree/cardinality of the resulting relation and input of a projection relational operator?

Question 2

Not yet answered

Marked out of 1

Flag question

When it is not necessary to check the referential integrity in a relational database?

- a. When changing the value of a primary key or of a foreign key in the related tables.
- b. When deleting a record from the referenced (primary) table.
- c. When deleting a record in the secondary table.
- d. When adding a record in the secondary table.

Question 3

Not yet answered

Marked out of 1

Flag question

The JOIN operator from relational algebra can be defined using:

- a. Selection and Renaming.
- b. Selection and Cartesian product.
- c. Projection and Union.
- d. Selection and Projection.

Clear my choice

Question 4

Not yet answered

Marked out of 1

Flag question

Which of the following services is not provided by a DBMS?

- a. Data protection and recovery mechanism.
- b. Advanced searching and retrieval algorithms.
- c. Efficient physical data organization on external storage.
- d. Advanced code versioning mechanism.

Clear my choice

Question 8

Not yet answered

Marked out of 1

Flag question

Considering the following schema:

Sailors(sid: number, name: varchar, rank: number, salary: number, age: number),

which of the following Update expressions is reversible:

- a. UPDATE Sailors SET rank = rank +1 WHERE rank <9;
- b. UPDATE Sailors SET name= "Retired" WHERE age >65;
- c. UPDATE Sailors SET rank = 1;
- d. UPDATE Sailors SET salary= salary + 10/100 * salary;