DUMPSARENA

CIW v5 Database Design Specialist

CIW 1D0-541

Version Demo

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QUESTION NO: 1

Which of the following best describes the ON DELETE CASCADE referential integrity constraint?

A. If a parent key is deleted, any child keys referenced by the parent key are automatically deleted.

B. If any child key references a parent key, the record containing the parent key cannot be deleted.

C. If a parent key is deleted, all child keys are automatically set to a specified value.

D. If a parent key is deleted, no test is made for referential integrity.

ANSWER: A

QUESTION NO: 2

A theta-join can be viewed as:

A. The intersection of two relations

B. A Cartesian product of two relations

C. A restricted Cartesian product of two relations

D. The Cartesian product of two union-compatible relations

ANSWER: C

QUESTION NO: 3

Consider the following relational algebraic expression as well as the Employee and Department relations shown in the exhibit: Which of the following relations would result from the given relational algebraic expression?

Emp_ID	First_Name	Last_Name	Birth_Date	Dept_ID
0001	Helen	Lee	12-05-75	D02
0002	James	Smith	10-25-76	D01
0003	Eliza	Perez	02-15-80	
0004	Samuel	Hayes	11-07-71	D02
0005	Erica	Veracruz	03-18-70	
0006	Les	Poole	09-17-74	D03

Employee Relation

Dept_ID	Dept_Name	Dept_Mngr	Dept_Ext
D01	Sales	Reyes, Nancy	5432
D02	Accounting	Yee, Cindy	1223
D03	Finance	Ames, Joe	4675
D04	HR	Jones, Teri	2521
D05	Education	Chang, Tom	3215

Department Relation

A.

Emp_ID	Last_Name	Dept_ID	Dept_Name	Dept_Mngr	Dept_Ext
0001	Lee	D02	Accounting	Yee,Cindy	1223
0002	Smith	D01	Sales	Reyes,Nancy	5432
0004	Hayes	D02	Accounting	Yee,Cindy	1223
0006	Poole	D03	Finance	Ames,Joe	4675

B.

Emp_ID	Last_Name	Dept_ID
0001	Lee	D02
0002	Smith	D01
0003	Perez	NULL
0004	Hayes	D02
0005	Veracruz	NULL
0006	Poole	D03

C.

Emp_ID	Last_Name	Dept_ID
0003	Perez	NULL
0005	Veracruz	NULL

D.

Emp_ID	Last_Name	Dept_ID	Dept_Name	Dept_Mngr	Dept_Ext
0001	Lee	D02	Accounting	Yee,Cindy	1223
0002	Smith	D01	Sales	Reyes,Nancy	5432
0003	Perez	NULL	NULL	NULL	NULL
0004	Hayes	D02	Accounting	Yee,Cindy	1223
0005	Veracruz	NULL	NULL	NULL	NULL
0006	Poole	D03	Finance	Ames,Joe	4675

A. Option A

B. Option B

C. Option C

D. Option D

ANSWER: D

QUESTION NO: 4

Which term describes the management of simultaneous transactions to prevent conflicts?

A. Parallelism

B. Serialization

C. Database control

D. Concurrency control

ANSWER: D

QUESTION NO: 5

Which statement is used to define a named group of related tables, views, domains and other database objects?

A. CREATE

B. CREATE TABLE

C. CREATE DOMAIN

D. CREATE SCHEMA

ANSWER: D

QUESTION NO: 6

Consider the Recreation relation shown in the exhibit. You need to apply a SQL statement to the

Recreation relation that will return the following data:

Which SQL statement applied to the Recreation relation will return this data?

Student_ID	Activity	Activity_Fee
1001	Bowling	50
1001	Racquetball	75
1002	Bowling	50
1003	Handball	35
1003	Racquetball	75
1004	Bowling	50
1004	Fencing	125

Recreation Relation

Bowling
Fencing
Handball
Racquetball

A. SELECT Activity FROM Recreation;

B. SELECT DISTINCT Activity FROM Recreation;

C. SELECT Activity FROM Recreation
WHERE NOT LIKE Activity;

D. SELECT Activity FROM Recreation
WHERE DISTINCT Activity;

ANSWER: B

QUESTION NO: 7

Consider the Project relation shown in the exhibit as well as the following SQL statement: Which of the following tables shows the Project relation after execution of this SQL statement?

Cust_ID	Proj_ID	Cust_Name	Proj_Description	Status	Manager
1001	98-01	Acme	Reflow Study	Done	Rubio
1002	98-11	J & L	Quality Analysis	Start	Chang
1001	99-02	Acme	Process Analysis	Done	Jones
1003	99-12	Bravo Co	Efficiency Study	Start	Doe

Project Relation

C A.

Cust_ID	Proj_ID	Cust_Name	Proj_Description	Status	Manager
1001	98-01	Acme	Reflow Study	Done	Rubio
1002	98-11	J & L	Quality Analysis	Start	Chang
1001	99-02	Acme	Process Analysis	Done	Jones
1003	99-12	Bravo Co	Efficiency Study	Start	Doe

C B.

Cust_ID	Proj_ID	Cust_Name	Proj_Description	Status	Manager
1002	98-11	J & L	Quality Analysis	Start	Chang
1001	99-02	Acme	Process Analysis	Done	Jones
1003	99-12	Bravo Co	Efficiency Study	Start	Doe

C C.

Cust_ID	Proj_ID	Cust_Name	Proj_Description	Status	Manager
1001	98-01	Acme	Reflow Study	Done	Rubio
1002	98-11	J & L	Quality Analysis	Start	Chang
1003	99-12	Bravo Co	Efficiency Study	Start	Doe

C D.

Cust_ID	Proj_ID	Cust_Name	Proj_Description	Status	Manager
1002	98-11	J & L	Quality Analysis	Start	Chang
1003	99-12	Bravo Co	Efficiency Study	Start	Doe

A. Option A

B. Option B

C. Option C

D. Option D

ANSWER: A

QUESTION NO: 8

Which subset of Structured Query Language (SQL) is used to perform operations such as data retrieval or deletion on the data contained in a database?

A. Data Control Language

B. Data Definition Language

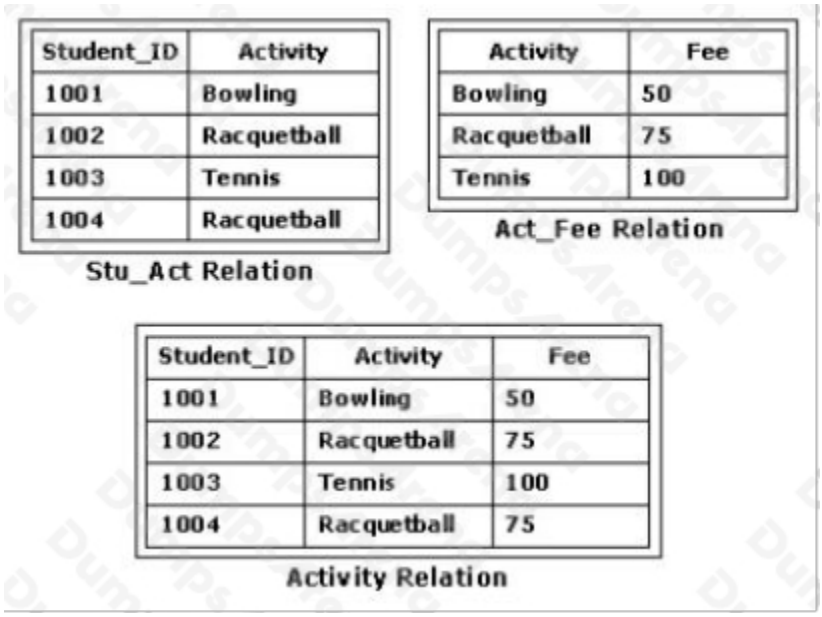
C. Data Formatting Language

D. Data Manipulation Language

ANSWER: D

QUESTION NO: 9

Consider the Stu_Act and Act_Fee tables shown in the exhibit. Which relational algebraic operation would yield the Activity Relation table in the exhibit?



Student_ID	Activity
1001	Bowling
1002	Racquetball
1003	Tennis
1004	Racquetball

Stu_Act Relation

Activity	Fee
Bowling	50
Racquetball	75
Tennis	100

Act_Fee Relation

Student_ID	Activity	Fee
1001	Bowling	50
1002	Racquetball	75
1003	Tennis	100
1004	Racquetball	75

Activity Relation

A. Union

B. Intersection

C. Natural join

D. Cartesian product

ANSWER: C

QUESTION NO: 10

In a relational database, which term describes a single table consisting of rows and columns?

A. Entity

B. Matrix

C. Relation

D. Data dictionary

ANSWER: C