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| --- | --- |
| **Started on** | Wednesday, 19 September 2018, 9:11 PM |
| **State** | Finished |
| **Completed on** | Wednesday, 19 September 2018, 9:26 PM |
| **Time taken** | 15 mins 1 sec |
| **Marks** | 13.00/14.00 |
| **Grade** | **9.29** out of 10.00 (**93**%) |

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**Question 1**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Which of the following statements BEST describes data integrity.

Select one:

a. ensures that data entered into the database is accurate, valid, and consistent.

b. Rules that ensure that no primary key is allowed to accept null values

c. Ensures consistency between the primary key and foreign key of relations

d. Ensure that primary keys are unique identifiers

**Question 2**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The AND logical operator is represented

Select one:

a. by the set of all things not contained within a set ( the compliment of the set)

b. by the overlap of two sets (the intersection)

c. by the union (overlap) of the universal set and a second set

d. by the contents of either of two sets (the union)

**Question 3**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider the following table:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SREF** | **INIT** | **SNAME** | **DOB** | **GENDER** | **RES** | **KIDS** | **HTOWN** |
| 1 | TJ | OSMAN | 29-Sep-53 | M | No | 0 | MILLHOUSE GREEN |
| 2 | S | LANGLEY | 21-Aug-57 | F | No | 0 | HUDDERSFIELD |
| 3 | H | WILSON | 07-Jul-62 | M | Yes | 1 | HUDDERSFIELD |
| 4 | J | CARTER | 21-Mar-54 | F | Yes | 2 | BARNSLEY |
| 5 | A | JONES | 10-Nov-48 | F | Yes | 2 | SHEFFIELD |
| 6 | S | ISHEMO | 05-Dec-50 | M | No | 0 | LEEDS |
| 7 | K | ARNOTT | 01-Aug-60 | F | Yes | 2 | SHEFFIELD |
| 8 | B | ARNOTT | 23-May-62 | F | Yes | 1 | LEEDS |
| 9 | N | GREEN | 30-Sep-58 | M | Yes | 1 | SHEFFIELD |

the filter KIDS=1 OR RES=True will

Select one:

a. list all those who are resident and all those who have one child

b. list all those with 1 child

c. list all those who are resident

d. list only those who have one child as well as all those who are resident

**Question 4**

Incorrect

Mark 0.00 out of 1.00

Flag question

Question text

In strict relational terminology, an attribute is

Select one:

a. a table

b. a field

c. an entity

d. a record

**Question 5**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The entity integrity constraint says that if a relation R2 includes a foreign key FK matching the primary key PK of other relation R1, then every value of FK in R2 must either be equal to the value of PK in some tuple of R1 or be wholly null.

Select one:

True

False

**Question 6**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

The primary key does not have to be unique in relations that have a one to many relationship.

Select one:

True

False

**Question 7**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

A foreign key can accept a null value unless otherwise restricted by a null constraint.

Select one:

True

False

**Question 8**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Integrity constraints are rules that help ensure the quantity of the information.

Select one:

True

False

**Question 9**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

A primary key must consist of one and only one field.

Select one:

True

False

**Question 10**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

If a salesperson attempts to order merchandise for a customer not in the customer service database, the database will typically generate an error message. This message indicates that an integrity constraint has been violated.

Select one:

True

False

**Question 11**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

>=1 is the same as >0 (for integers)

Select one:

True

False

**Question 12**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

Consider the following table:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SREF** | **INIT** | **SNAME** | **DOB** | **GENDER** | **RES** | **KIDS** | **HTOWN** |
| 1 | TJ | OSMAN | 29-Sep-53 | M | No | 0 | MILLHOUSE GREEN |
| 2 | S | LANGLEY | 21-Aug-57 | F | No | 0 | HUDDERSFIELD |
| 3 | H | WILSON | 07-Jul-62 | M | Yes | 1 | HUDDERSFIELD |
| 4 | J | CARTER | 21-Mar-54 | F | Yes | 2 | BARNSLEY |
| 5 | A | JONES | 10-Nov-48 | F | Yes | 2 | SHEFFIELD |
| 6 | S | ISHEMO | 05-Dec-50 | M | No | 0 | LEEDS |
| 7 | K | ARNOTT | 01-Aug-60 | F | Yes | 2 | SHEFFIELD |
| 8 | B | ARNOTT | 23-May-62 | F | Yes | 1 | LEEDS |
| 9 | N | GREEN | 30-Sep-58 | M | Yes | 1 | SHEFFIELD |

the filter KIDS >=1 OR KIDS=0 will

Select one:

a. List no-one

b. List everyone

c. List those who have 1 child

d. List those who have no children

**Question 13**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

What do integrity constraint rules help you ensure?

Select one:

a. Quantity of the information

b. Quantity of the data

c. Quality of the information

d. All of the above

**Question 14**

Correct

Mark 1.00 out of 1.00

Flag question

Question text

There can be duplicate primary keys in the same file in a database.

Select one:

True

False

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