

W03 Learning Activity: Database Design and Creation

- Fecha de entrega 23 de ene en 23:59
- Puntos 20
- Preguntas 20
- Disponible hasta el 6 de feb en 23:59
- Límite de tiempo Ninguno
- Intentos permitidos 3

Instrucciones

1. **Study** [Database Design and Creation](https://byui-cse.github.io/itm111-ww-course/week03/prepare.html). [🔗\(https://byui-cse.github.io/itm111-ww-course/week03/prepare.html\)](https://byui-cse.github.io/itm111-ww-course/week03/prepare.html)
2. **Take** this quiz.
3. **Conditions:** You may use the course materials and your notes while taking the quiz.

Volver a realizar el examen

Historial de intentos

	Intento	Hora	Puntaje
MÁS RECIENTE	Intento 1	16 minutos	20 de 20

❗ Las respuestas correctas están ocultas.

Puntaje para este intento: 20 de 20

Entregado el 4 de feb en 21:57

Este intento tuvo una duración de 16 minutos.



Pregunta 1

1 / 1 pts

Normalization:

"The value in each cell of a table must have a single scalar value" belongs to the First Normal Form (1NF) .

Respuesta 1:

First Normal Form (1NF)

Second Normal Form (2NF)

Third Normal Form (3NF)



Pregunta 2

1 / 1 pts

Second Normal Form (2NF) has to do with composite keys used as a primary key.

Respuesta 1:

First Normal Form (1NF)

Second Normal Form (2NF)

Third Normal Form (3NF)



Pregunta 3

1 / 1 pts

Third Normal Form (3NF) states that every column that is not the primary key, must depend only on the (one value) primary key.

Respuesta 1:

First Normal Form (1NF)

Second Normal Form (2NF)

Third Normal Form (3NF)



Pregunta 4

1 / 1 pts

The normal forms beyond Third Normal Form are used rarely .

Respuesta 1:

in this course

every time

rarely



Pregunta 5

1 / 1 pts

Database Design:

With database design, we are trying to organize the data in such a way that redundancy is minimized.

Respuesta 1:

good design

redundancy

a unique value



Pregunta 6

1 / 1 pts

Setting up constraints on our data is a good way to ensure it has integrity and is consistent.

Respuesta 1:

constraints

checks

violations



Pregunta 7

1 / 1 pts

A good starting point to designing a database is the Statement of Work . This is a document that describes the work that needs to be done on a project.

Respuesta 1:

Plan and Project

Statement of Work

Scope of Plan

Project of Scope

**Pregunta 8**

1 / 1 pts

Each table should be only one real-world entity.

Respuesta 1:

one

business

two

non-business

**Pregunta 9**

1 / 1 pts

Each table needs a key that uniquely identifies each row. ISBN is a good primary key for the book entity.

Respuesta 1:

media

video

magazine

book

**Pregunta 10**

1 / 1 pts

The third step in database design is to make sure the data is normalized .

Respuesta 1:

combined

normalized

multiplied

in abnormal form

**Pregunta 11**

1 / 1 pts

CRUD:

The CREATE statement would allow you to make a new database or a new table.

Respuesta 1:

MAKE
CREATE
NEW
ADD



Pregunta 12

1 / 1 pts

If an attempt is made to enter a row into a table that uses a foreign key that doesn't exist as a primary key in another table, the action will fail.

Respuesta 1:

primary key
foreign key
update key



Pregunta 13

1 / 1 pts

Use the INSERT statement to put data as rows into tables.

Respuesta 1:

CREATE
INSERT
ADD
NEW



Pregunta 14

1 / 1 pts

UPDATE , also known as edit, will alter the data in your tables.

Respuesta 1:

CORRECT
EDIT
UPDATE
RENEW



Pregunta 15

1 / 1 pts

You might have to turn Safe Mode off in your system preferences, to run commands like UPDATE.

Respuesta 1:

the Firewall
Code Editors
Table Defaults
Safe Mode



Pregunta 16

1 / 1 pts

You should always have a WHERE clause with UPDATE and DELETE to avoid all rows being affected.

Respuesta 1:

WHERE

LIMIT

FILTER

ORDER BY



Pregunta 17

1 / 1 pts

Constraints:

There are a number of different ways you can insert rows of data using the INSERT command. One is by listing all the values for each column or attribute of the entity. When inserted this way, you do **not** have to use a column list .

Respuesta 1:

all the values

all the attribute values

a column list



Pregunta 18

1 / 1 pts

Another way to insert rows of data using the INSERT command is to use the column list and then you could possibly leave certain column values out that might have a default value or could be left null.

Respuesta 1:

add to statement

edit clause

column list



Pregunta 19

1 / 1 pts

True or False: You can INSERT more than one row at a time in one statement. True

Respuesta 1:

True

False



Pregunta 20

1 / 1 pts

Referential Integrity guarantees that relationships between rows in two tables will remain synchronized during all updates and deletes

Respuesta 1:

Data Types

Referential Integrity

NULL

UPDATE

Puntaje del examen: 20 de 20

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