## **Module 1 Quiz**

Due Sep 24 at 11:59pm Points 100 Questions 20 Time Limit None Allowed Attempts 3

Take the Quiz Again

## **Attempt History**

	Attempt	Time	Score
LATEST	Attempt 1	32 minutes	90 out of 100

Score for this attempt: 90 out of 100

Submitted Sep 22 at 1:31pm This attempt took 32 minutes.

	Question 1 5 / 5 pt	S
	Which of the following is a formal process used to separate data into related tables to avoid data redundancy?	
Correct!	normalization	
	<ul><li>serialization</li></ul>	
	oreferential integrity	
	<ul><li>data mining</li></ul>	

Question 2 5 / 5 pts

	Denormalization typically results in all but one of t	the following. Which one is it?
	<ul><li>larger tables</li></ul>	
	redundant data	
Correct!	more complicated SQL coding	
	<ul> <li>reduced performance</li> </ul>	
	Question 3	5 / 5 pts
	SELECT statements for data structures that are nor normal form typically require morestructures.	
Correct!	joins	
rrect Answer	s joins tables	
Г		
	Question 4	5 / 5 pts

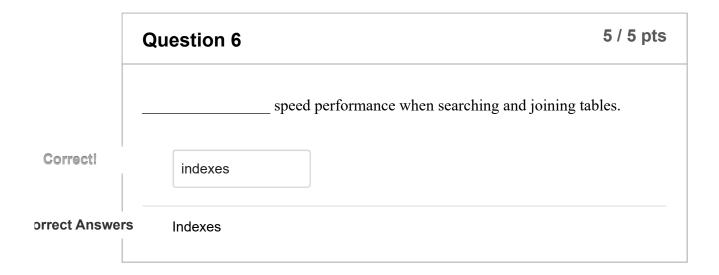
# Which of the following does NOT violate the referential integrity of a database? inserting a new row into a table with a foreign key that doesn't match a primary key in the related table updating a foreign key with a value that doesn't match a primary key in the related table

updating a primary key in a primary key table without also updating the foreign keys for the related rows in all related tables

Correct!

deleting a row in a foreign key table without deleting the related row in the related primary key table

# Referential integrity means that the \_\_\_\_\_\_ between tables are maintained correctly. Correct! relationships relationships



### Question 7 5 / 5 pts

Unlike the MyISAM tables that came with versions of MySQL before version 5.5, the InnoDB tables that come with MySQL 5.5 and later provide for

### Correct!

declarative referential integrity

composite indexes

- the domain-key normal form
- many-to-many relationships

# Which type of key consists of more than one field? of foreign key alphabetized key compartmentalized key composite key

### Question 9

0 / 5 pts

To apply the second normal form, you move columns that don't depend on the entire primary key to another table and establish a relationship between the two tables. This

### ou Answered

Correct!

reduces redundancy but makes maintenance more difficult

### orrect Answer

- oreduces redundancy and makes maintenance easier
- o increases redundancy but makes maintenance easier

o increases redundancy but makes the data more consistent

	Question 10	5 / 5 pts
	For a table to be in normal form, every non-key colur depend only on the primary key.	nn must
Correct!	• third	
	second	
	O first	
	O zero	

	Question 11	5 / 5 pts
	To model a database on a real-world system, you typically represe world entity as a/an	ent each real-
Correct!	table	
orrect Answer	rs table	

# Question 12 5 / 5 pts

When you identify the data elements in a new database, you typically subdivide data elements into

### Correct!

• the largest practical components

• the smallest practical components

ocomponents that can be easily parsed each time you use them

# Question 13

5 / 5 pts

Which of the following ensures that relationships between tables are maintained correctly?

metadata

### Correct!

- referential integrity
- Structured Query Language (SQL)
- flux capacitor

### **Question 14**

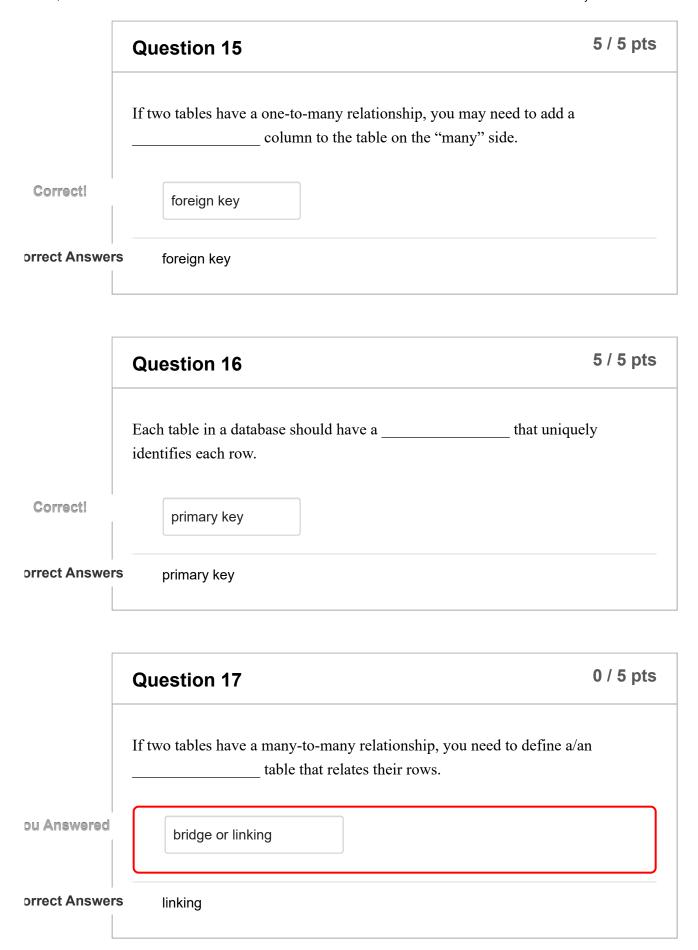
5 / 5 pts

A(n)	provides a way for a database management system to
locate information more	quickly.

anomaly

### Correct!

- index
- slow computer
- large monitor



	Question 18	5 / 5 pts
	Every row in a table should be uniquely identified by a	key.
Correct!	primary	
	<ul><li>parameterized</li></ul>	
	confusing	
	imaginary	
	Question 19	5 / 5 pts
	To normalize a data structure, you apply the	_ in sequence.
Correct!	normal forms	
orrect Answer	s normal forms	
	Question 20	5 / 5 pts
	Most database designers consider a database structure normalized normal form.	zed if it's in the
Correct!	third	
orrect Answer	s third	

Quiz Score: 90 out of 100