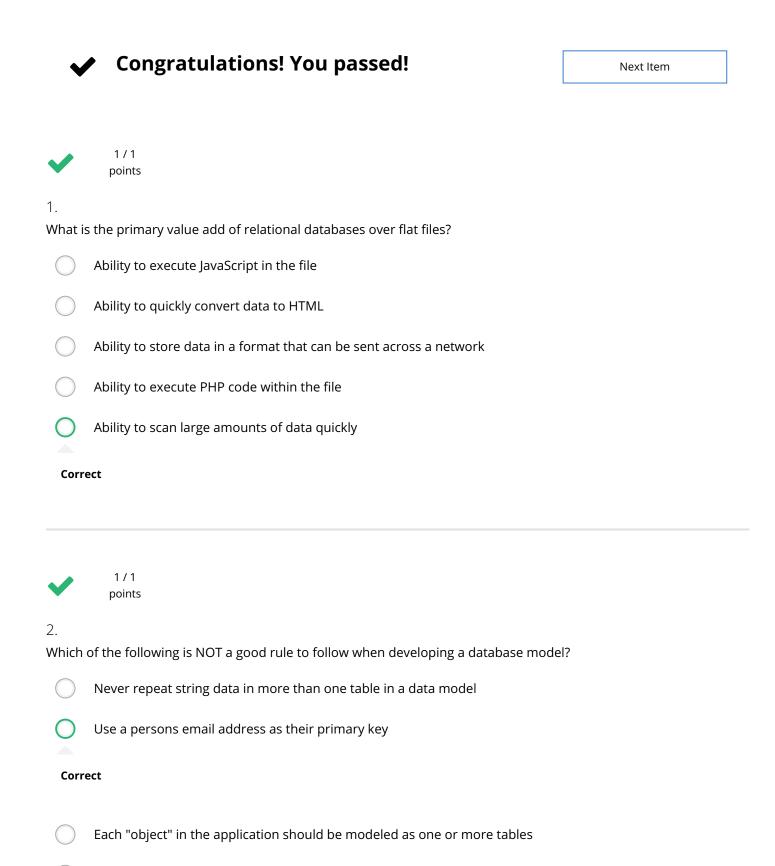
Database Models

Practice Quiz, 15 questions



Use integers as primary keys

~	1/1 points
3.	
	user interface (i.e. like iTunes) has repeated strings on one column of the UI, how should we model this ly in a database:
	We put the string in the last row where it occurs and put the number of that row in the column all of the rest of the rows where the string occurs
	We put the string in the first row where it occurs and then NULL in all of the other rows
0	We make a table that maps the strings in the column to numbers and then use those numbers in the column
Corr	ect
	We put the string in the first row it occurs and then put that row number in the column all of the rest of the rows where the string occurs
	Encode the entire row as JSON and store it in a TEXT column in the database
	1/1
/	points
4	
4. Which	of the following is the label we give a column that the "outside world" uses to look up a particular row?
vviiicii	of the following is the label we give a column that the outside world uses to look up a particular row:
	Remote key
0	Logical key
Corr	ect
	Local key
	Primary key
	Foreign key



1/1 points

5.

What is the label we give to a column that is an integer and used to point to a row in a different table?

0

Foreign key

Correct

Primary	keν
Primary	ĸey

Local key

Logical key

Remote key



1/1 points

6.

What MySQL keyword is added to primary keys in a CREATE TABLE statement to indicate that the database is to provide a value for the column when records are inserted.

INSERT	AUTO	PROVIDE

PRIMARY

ASSERT_UNIQUE



Correct



1/1 points

7.

What is the SQL keyword that reconnects rows with foreign keys with the corresponding data in the table that the foreign key points to?

CONSTRAINT

1/1 points

CONNECT

COUNT

APPEND

JOIN

8.

What happens when you JOIN two tables together without an ON clause?

- You get all of the rows of the left table in the JOIN and NULLs in all of the columns of the right table
- Leaving out the ON clause when joining two tables is an SQL syntax error
- The number of rows you get is the number of rows in the first table times the number of rows in the second table

Correct

You get no rows at all

The rows of the left table are connected to the rows in the right table when their primary key matches



1/1 points

9.

What does an "ON DELETE CASCADE" clause imply in a foreign key constraint in a MySQL CREATE TABLE statement?

- Whenever a row is deleted, it is moved into a table named "CASCADE"
- When a row in the parent table is deleted all the rows in a child table that point to that row via a foreign key are deleted

Correct

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	When rows in a child table are deleted, the primary key of the corresponding row in the parent table is set to NULL			
	Whenever a row is deleted from the table, the other rows are scanned to insure that the logical key is unique and any duplicates are removed			
~	1 / 1 points			
10. Which	of the following types of tables often are created without a primary key?			
	One-to-many			
	B-Trees			
0	Many-to-many			
Corr	ect			
	One-to-one			
	Hash Map			
~	1 / 1 points			
11.	might one prefer the CHAR column type over MARCHAR?			
vviieii	/hen might one prefer the CHAR column type over VARCHAR? When the data needs to be searched using a LIKE clause			
	When the data has widely varying lengths			

https://www.coursera.org/learn/intro-sql/quiz/sz2Om/database-models

Correct

When the data is prose like a discussion comment versus a logical key

When the data is relatively short and almost always present

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~	1 / 1 points
12. What is	s the built-in MySQL function that gives you the current time in an SQL statement?
	DATE(false)
0	NOW()
Corre	ect
	TODAY()
	CURR_DATE()
	1/1
	points
	of the following indexes would be best for fast look up for exact key matches but not so good for prefix or sorting?
	BTREE
	EXACT
0	HASH
Corre	ect
	INDEX2
~	1 / 1 points
14.	pomo

Why is it a good idea to add "CONSTRAINT FOREIGN KEY" statements when creating database tables? (Check all that apply)

So that you can specify default behaviors when records are deleted or updated

Correct

	So that prefix-based lookups perform well		
Un-selected is correct			
Corre	So that MySql knows which columns are foreign keys and which columns are just integers		
Corre	So that database modeling tools know the relationships between tables		
~	1 / 1 points		
15. When y	you add an index to a field in a database table, how are performance and storage affected?		
0	Read performance is faster, insert performance is slower and extra storage is required		
Corre	ect		
	Read performance is faster, insert performance is the same and no extra storage is required		
	Read performance is the faster, insert performance is faster and extra storage is required		
	Read performance is the same, insert performance is faster and no extra storage is required		
7			