Knowledge Check 8: Distributed Database Systems
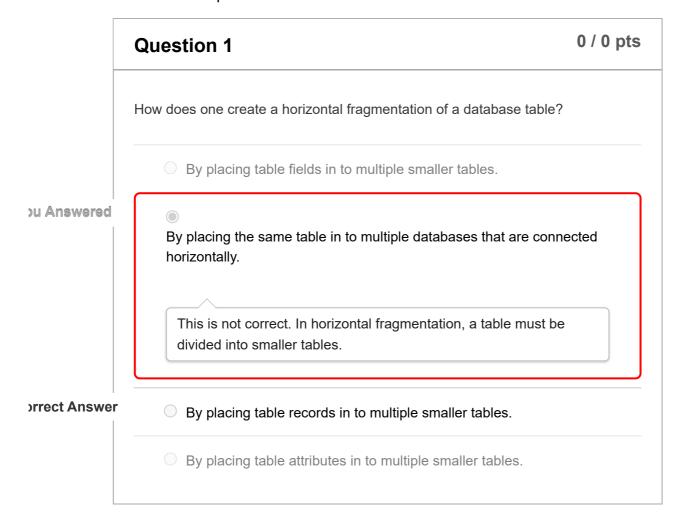
Due No due date	**Points** 0	**Questions** 5
Time Limit None	**Allowed Attempts** Unlimited	

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Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	3 minutes	0 out of 0

Submitted Feb 7 at 7:57pm

Question 1   0 / 0 pts

How does one create a horizontal fragmentation of a database table?

○ By placing table fields in to multiple smaller tables.

ou Answered

◉ By placing the same table in to multiple databases that are connected horizontally.

> This is not correct. In horizontal fragmentation, a table must be divided into smaller tables.

orrect Answer

○ By placing table records in to multiple smaller tables.

○ By placing table attributes in to multiple smaller tables.

Question 2   0 / 0 pts

Which table key should be copied to each of the subtables created in a vertical fragmentation?

○ Foreign Key

○ Vertical Key

Correct!   ◉ Primary Key

> Primary key of a table should be copied to each and every subtable created in a vertical fragmentation.

○ Alternating Key

Question 3   0 / 0 pts

Which of the following areas is negatively affected when data is replicated across multiple sites?

○ Data Redundancy

○ Query Evaluation

○ Data Availability

Correct!   ◉ Data Updates

> Data updates take more time when data is replicated across multiple sites. This is because the same data appears in multiple places and they have be updated simultaneously.

Question 4   0 / 0 pts

What is the high-level query processing language used by database management systems?

○ PL

○ XML

Correct!

◉ SQL

> SQL (Structured Query Language) is used by database
> management systems for query processing.

○ HTML

Question 5   0 / 0 pts

Which of the following **cannot** be a goal in a query processing?

○ Minimizing transfers among distributed sites

Correct!

◉ Maximizing solution space

> The solution space for a query is a fixed set of equivalent algebraic
> expressions; it cannot be maximized.

○ Minimizing processing time

○ Maximizing throughput