

Week 04 Assessment

Due Sep 30 at 9am
Time Limit None

Points 9
Allowed Attempts 2

Questions 9

Available until Oct 14 at 9am

Instructions

Reminder: In all weekly assessments, you will be allowed two attempts (though only one is required), and your average score will be kept. You're welcome to watch the lecture videos between or even during your attempts.

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	14 minutes	7 out of 9

ⓘ Answers will be shown after your last attempt

Score for this attempt: **7** out of 9

Submitted Sep 27 at 8:20pm

This attempt took 14 minutes.

Incorrect

Question 1

0 / 1 pts

What determines the confidentiality level provided by CryptDB? (choose all that apply)

- ☒ The schema of the database.
- ☒ The queries issued by the application.
- ☐ The thresholds specified for each column.
- ☐ The size of the database.

Question 2**1 / 1 pts**

What is the average overhead of using CryptDB for the TPC-C benchmark?

- ☐ 2%
- ☒ 20%
- ☐ 200%
- ☐ 2000%

Question 3**1 / 1 pts**

Which of the following operations are valid when using multiple encryption schemes (semantic, homomorphic, deterministic, and order-preserving), given four numerical values a , b , c , and d ? (Check all that apply).

- ☒ $a > b$ AND $a = d$
- ☐ $(a * c) > (b + d)$
- ☒ $a > d$ AND $d > b$ AND $c = d$
- ☐ $(a > d$ AND $(b + c) > d)$
- ☐ $a + b * d$

Question 4**1 / 1 pts**

Which of the following statements are true about CryptDB?

- ☐ CryptDB is able to support ALL SQL tables and queries
- ☒ CryptDB ensures confidentiality for most requests
- ☐ CryptDB slows down the system significantly
- ☒ CryptDB can be used on many existing, real applications
- ☒ CryptDB can use onions of encryptions

Question 5**1 / 1 pts**

What can visualizations be used for?

- ☐ Determining the cause of disease outbreak
- ☐ Quickly understanding complex problems
- ☐ Deception and telling half-truths
- ☐ Helping individuals understand important points in a field they are not familiar with
- ☒ All of the above

Question 6**1 / 1 pts**

What is the best visualization method?

- ☐ Pie charts
- ☐ Bar graph

- ☐ Custom-made graphics
- ☐ Histograms
- ☐ All types of visualizations work well for all data
- ☒ No singular type of visualization works well for all data

Question 7**1 / 1 pts**

Which of the following visual variables are preattentive? (choose all that apply)

- ☒ Color
- ☒ Shape
- ☐ Text
- ☒ Size

Partial**Question 8****0.5 / 1 pts**

For which of the following tasks is interactive visualization most useful? (choose all that apply)

- ☒ Developing a hypothesis about data
- ☐ Formally confirming a hypothesis
- ☐ Communicating a conclusion about data
- ☐ All of the above

Partial

Question 9**0.5 / 1 pts**

Which are advantages of faceted browsing over hierarchical search? (choose all that apply)

- ☒ Users don't need to guess which queries to enter
- ☒ Users can apply restrictions in arbitrary order
- ☐ Faceted browsing generally looks more professional
- ☒ Users can undo mistakes

Quiz Score: 7 out of 9