Quiz: Hashing Functions (Remotely Proctored)

Due Jan 27 at 3:30pm **Points** 5 **Questions** 5 **Time Limit** 10 Minutes

Exam Requirements A webcam is required to take this exam.

Exam Security This exam will be monitored by **Proctorio**. Learn more about Proctorio (https://proctorio.zendesk.com/hc/articles/200972514).

Instructions

This is an individual quiz with a 10 minutes limit. The quiz will be proctored using Proctorio.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	5 minutes	5 out of 5

Score for this quiz: **5** out of 5 Submitted Jan 25 at 10:08pm This attempt took 5 minutes.

	Question 1	1 / 1 pts
	What is a hashing function?	
	It is a two-way function that enables people to compute very large prime numbe	rs.
Correct!	It is a one-way function that takes any arbitrary text and transform it into an irreversible fixed-length sequence of letters and numbers.	
	It is a one-way function that takes a fixed-length text, and transform it into an arbitrary large sequence of numbers.	
	It is a two-way function that allows to encrypt and decrypt messages.	

Question 2	1 / 1 pts
Look up a SHA 256 hashing calculator online. What is the hashunderstand what a hashing function is"?	n of the text "I do no
3c028bfeed72a196ddcfefffbe806d4fefd2807c2219763af81acad	c8827ed26a
1457a089a131459f0007485f6f72cc20dde13f1bb2df4f7ba67c8d	c3baddd2e5b
O39ebcfd8415695f9f943a8f53bd4a7d36c57ed47b6467855c1d3	3b44236f59a9

Correct!

Correct!

How many possible SHA-256 hash combinations are there? 256 2^255 2^178 2^256

What is a Salt?

A string of text that replace passwords.

A hacking scam

orrect!	A string of text added to password to prevent brute-force hashing attacks.
	A string of text added to password to decrypt passwords.

Correct!

Question 5	1 / 1 pts
What is the difference between a collision and a pre-image attack?	
A collision is an attack where two texts produce the same hash. A pre-image attack that given an hash, we can find out the original text.	is an
A collision is a pre-image attack with a salt at the beginning.	
They are the same thing.	
A pre-image is an attack where two texts produce the same hash. A collision attack that given an hash, we can find out the original text.	ı is an

Quiz Score: 5 out of 5