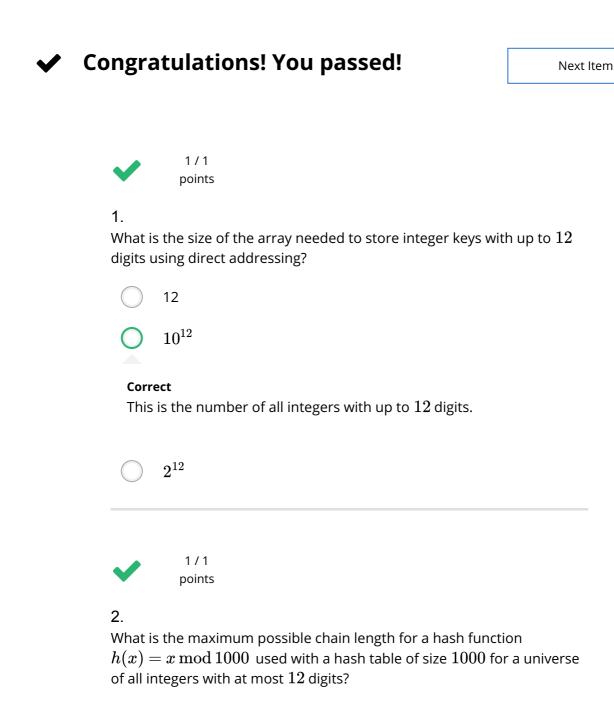
Hash Tables and Hash Functions

4/4 points (100%)

Quiz, 4 questions



10^{9}

When the values of the last 3 digits are fixed, there are $10^9\,$ numbers with at most 12 digits.

 10^{12}

Hash Tables and Hash Functions

4/4 points (100%)

Quiz, 4 questions



points

3.

You want to hash integers from 0 up to 1000000. What can be a good choice of p for the universal family?

1000002

1000003

Correct

This is a prime number bigger than 1000000.

999997



1/1 points

4.

How can one build a universal family of hash functions for integers between -1000000 (minus one million) and 1000000 (one million)?

- First, add 1000000 to each integer. Then use the universal family for integers with p=1000003.
- First, add 1000000 to each integer and get the range of integers between 0 and 2000000. Then use the universal family for integers with p=2000003.

Correct

Take the universal family for integers with p=1000003 .







Hash Tables and Hash Functions

4/4 points (100%)

Quiz, 4 questions