



Cybersecurity

Module 10 Challenge Submission File

Cryptography Challenge: Ransomware Riddles

Make a copy of this document to work in, and then for each mission, add the solution below the prompt. Save and submit this completed file as your Challenge deliverable.

Ransomware Riddles

1. Riddle 1:

ANSWER: gruber

KEY: 6skd8s

2. Riddle 2:

ANSWER: Gennero

KEY: cy8snd2

3. Riddle 3:

ANSWER: takagi

KEY: ud6s98n

4. Riddle 4:

What would Jack use to send an encrypted message to Jill?

ANSWER: Jill's Public Key

What would Jill use to decrypt Jack's message?

ANSWER: Jill's Private Key

Jack and Jill invited Bob, Alice, Tim, and Peter along to exchange some messages. How many keys would they all need for asymmetric vs symmetric encryption?

ANSWER: 12 Asymmetric and 15 Symmetric

Tim sent an encrypted message to one of his friends. Which of the following keys did he likely use to encrypt the message?

ANSWER: Alice's Public Key

KEY: 7gsn3nd2

5. Riddle 5:

ANSWER: argyle

KEY: ajy39d2

6. Riddle 6:

Passphrase to extract the file from the picture - ABC

ANSWER: mcclane

KEY: 7skahd6

Ransomware Screenshot

1. Include a screenshot showing proof that you've decrypted the ransomware:

