

## **Directions**

## Individual

1. Go to the Sha256 website below and create a hash (digest) for each word, exactly as it is shown on the handout. <a href="https://emn178.github.io/online-tools/sha256.html">https://emn178.github.io/online-tools/sha256.html</a>

The first one has already been done for you. "This" generated the code shown in Hash1 (H1)

- 2. Use the hash value in H1 and the hash value in H2 as the input to create a new hash and record it in H1-2

  Note: it is important that you place them with H1 first followed directly by H2. Make sure there is no space between the two hashes when you enter them.
- 3. Use the hash value in H3 and the hash value in H4 as the input to create a new hash and record it in H3-4.

  Note: it is important that you place them with H3 first followed directly by H4. Make sure there is no space between the two hashes when you enter them.
- 4. Use the hash value in H1-2 and the hash value in H3-4 as the input to create a new hash and record it in H1234 *Note: Again, make sure there is no space between the two hashes when you enter them.*

## **Pairs**

- 1. Working with your partner, compare the values you recorded
- 2. Do you notice any differences in the input words between the two papers?
- 3. Do you notice any differences with each others Hash values? Where do they differ? Where are they the same?

