import hashlib

def hide\_text\_in\_hash(text, secret\_message):

hash\_value = hashlib.sha256(text.encode()).hexdigest()

return hash\_value + secret\_message

def extract\_text\_from\_hash(hidden\_text):

hash\_length = 64 # SHA-256 hash length

hash\_value = hidden\_text[:hash\_length]

secret\_message = hidden\_text[hash\_length:]

return hash\_value, secret\_message

# Example Usage

original\_text = "1A1zP1eP5QGefi2DMPTfTL5SLmv7DivfNa"

hidden\_text = hide\_text\_in\_hash(original\_text, " bitcoin ")

print("Hidden Text:", hidden\_text)

hash\_value, extracted\_message = extract\_text\_from\_hash