**ASSIGNMENT NO : 9**

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1. **Calculate the message digest of a text using the SHA-1 algorithm**.

import hashlib

# Function to calculate SHA-1 message digest

def calculate\_sha1(text):

    sha1 = hashlib.sha1()

    sha1.update(text.encode())

    return sha1.hexdigest()

def main():

    text = "Hello, World!"

    # Calculate SHA-1 digest

    sha1\_digest = calculate\_sha1(text)

    print(f"SHA-1 Digest of '{text}': {sha1\_digest}")

if \_\_name\_\_ == "\_\_main\_\_":

    main()

OUTPUT :

