**Digital Signature Standard:**

**Code:**

from Crypto.PublicKey import DSA

from Crypto.Hash import SHA256

from Crypto.Signature import DSS

KEYSIZE = 1024

message = "Hello".encode()

key = DSA.generate(KEYSIZE)

publickey = key.publickey()

print(publickey.exportKey)

message\_hash = SHA256.new(message)

signer = DSS.new(key, 'fips-186-3')

signature = signer.sign(message\_hash)

print("Signature value:")

print(int.from\_bytes(signature, "big", signed=False))

verifier = DSS.new(publickey, 'fips-186-3')

try:

verifier.verify(message\_hash, signature)

print("Verification successful")

except ValueError:

print("Verification Failed")

**Output:**

Signature value:

85178199403411023051139189269087247156281384993288407901466955678892679456235912473353

7425511778

Verification successful