Assignment – 5

SHA-1 Algorithm

Code-

import hashlib

def generate_sha1_hash(message):

  sha1=hashlib.sha1()

  sha1.update(message.encode('utf-8'))

  sha1_hash=sha1.hexdigest()

  return sha1_hash

message="Hello World"

sha1_hash=generate_sha1_hash(message)

print("Original Message: ",message)

print("SHA-1 Hash Value ",sha1_hash)

Output-

```
Original Message:  Hello World
SHA-1 Hash Value  0a4d55a8d778e5022fab701977c5d840bbc486d0
>
```