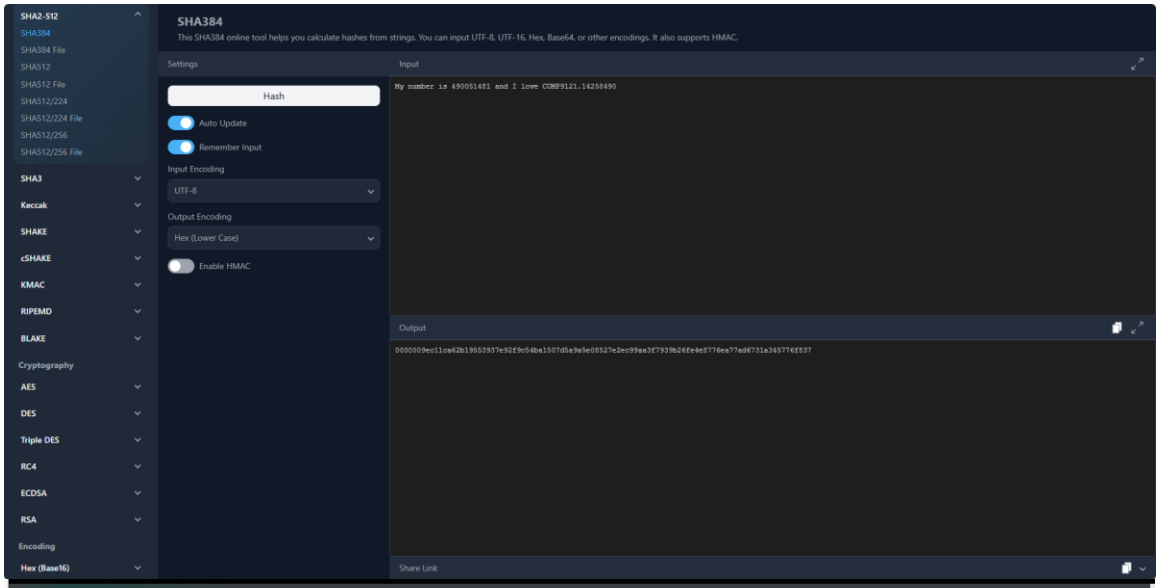
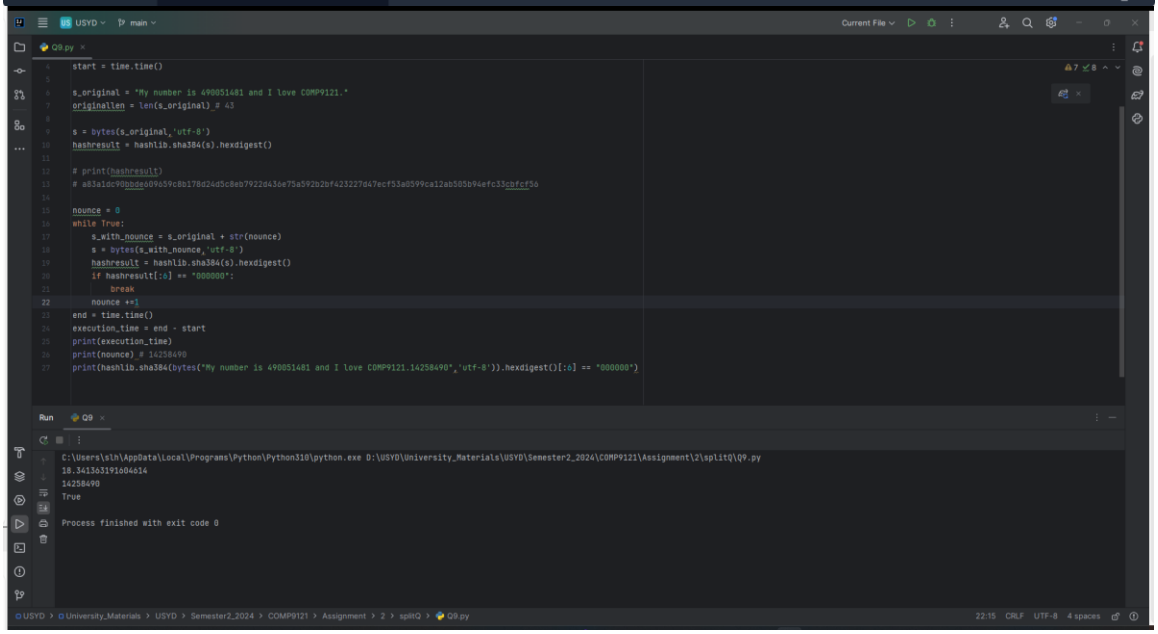

SHA2-512
SHA384
SHA384 File
SHA512
SHA512 File
SHA512/224
SHA512/224 File
SHA512/256
SHA512/256 File
SHA3
Keccak
SHAKE
cSHAKE
KMAC
RIPEMD
BLAKE
Cryptography
AES
DES
Triple DES
RC4
ECDSA
RSA
Encoding
Hex (Base16)
SHA384
This SHA384 online tool helps you calculate hashes from strings. You can input UTF-8, UTF-16, Hex, Base64, or other encodings. It also supports HMAC.
Settings
Hash
Auto Update
Remember Input
Input Encoding
UTF-8
Output Encoding
Hex (Lower Case)
Enable HMAC
Input
My number is 490051481 and I love COMP9121.14258490
Output
0000009ec11ce62b19553937e92f9c54ba1507d5a9a5e08527e2ec99aa3f7939b26fe4e8776ea77ad6731a345776f837
Share Link


USYD
main
Current File
Q9.py
start = time.time()
s_original = "My number is 490051481 and I love COMP9121."
originallen = len(s_original) # 43
s = bytes(s_original,'utf-8')
hashresult = hashlib.sha384(s).hexdigest()
# print(hashresult)
# a83a1dc90bbdde009659c8b178d24d5c8eb7922d43e75a592b2bf423227d47ecf53a0599ca12ab505b94efc33cbfcf56
nounce = 0
while True:
s_with_nounce = s_original + str(nounce)
s = bytes(s_with_nounce,'utf-8')
hashresult = hashlib.sha384(s).hexdigest()
if hashresutt[:6] == "000000":
break
nounce +=1
end = time.time()
execution_time = end - start
print(execution_time)
print(nounce) # 14258490
print(hashlib.sha384(bytes("My number is 490051481 and I love COMP9121.14258490",'utf-8')).hexdigest()[:6] == "000000")
Run
Q9
C:\Users\slh\AppData\Local\Programs\Python\Python310\python.exe D:\USYD\University_Materials\USYD\Semester2_2024\COMP9121\Assignment\2\splitQ\Q9.py
18.341363191606614
14258490
True
Process finished with exit code 0
USYD > University_Materials > USYD > Semester2_2024 > COMP9121 > Assignment > 2 > splitQ > Q9.py
22:15
CRLF
UTF-8
4 spaces