**Practice Questions: (Cyber Security)**

Q3: Create a Python script that encrypts a given text using the Caesar cipher.

Code =

Caesar cipher.py

def caesar\_cipher\_encrypt(text, shift):

encrypted\_text = ""

for char in text:

# Check if the character is an uppercase letter

if char.isupper():

encrypted\_text += chr((ord(char) + shift - 65) % 26 + 65)

# Check if the character is a lowercase letter

elif char.islower():

encrypted\_text += chr((ord(char) + shift - 97) % 26 + 97)

# If it's neither, leave it as it is (e.g., punctuation or space)

else:

encrypted\_text += char

return encrypted\_text

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

# Input text from user

text = input("Enter the text to encrypt: ")

# Input shift value from user

shift = int(input("Enter the shift value (number): "))

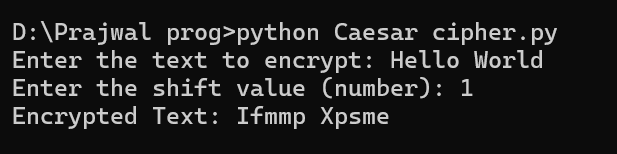
# Call the encryption function

encrypted\_text = caesar\_cipher\_encrypt(text, shift)

# Display the encrypted text

print("Encrypted Text:", encrypted\_text)

**OUTPUT :**

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