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Subject Name - Information Security and Cyberlaws (Practical)

Q5 Write a program to implement encryption and decryption using Caesar Cipher on the input plaintext = "Attack from North".

→ Encryption using Caesar Cipher

```
def encrypt(string):
    cipher = ''
    for char in string:
        if char == ' ':
            cipher = cipher + char
        elif char.isupper():
            cipher = cipher + chr((ord(char)+3-65)%26+65)
        else
            cipher = cipher + chr((ord(char) + 3 - 97)%26+97)
    return cipher

text = "Attack from North"

def decrypt(string):
    plain = ''
    for char in string:
        if char == ' ':
            plain = plain + char
```

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```
    elif char.isupper():
        plain = plain + chr((ord(char) - 3 - 65) % 26 + 65)
    else:
        plain = plain + chr((ord(char) - 3 + 97) % 26 + 97)

return plain

text = 'Dqwjdfn'
print("Cipher string", text)
print("after decryption:", decrypt(text))
string = "Attack from North"
encryptedtext = encrypt(string)
print("Ciphertext", encryptedtext)
print("Decrypted", decrypt(encryptedtext))
```

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