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Subject - Information
Security

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Q-5.

```python
# print("PERFORMING ENCRYPTION"):
def encrypt(text, s):
    result = ' '
    for i in range(len(text)):
        char = text[i];
        if(char, isupper()):
            result = result + chr((ord(char) + s - 65) % 26 + 65)
        else:
            result = result + chr((ord(char) + s - 97) % 26 + 97)
    return result

text = "CRYPTOGRAPHY"
S = 3
print("Plaintext:", text);
print("Encrypted text:", encrypt(text, s));

print("PERFORMING DECRYPTION").
def decrypt(text, s)):
    result = " "
    for i in range(len(tex)):
        char = text[i]
        if(char = isupper(1):
            result = result + chr((ord(char) * - s - 65) % 26 + 65)
        else:
            result = result + chr((ord(char) - s - 65) % 26 + 65)
    return result
```

```
text = encrypt(text, s).
s = 3
print ("Decrypted text:", decrypt(text, s))
```