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Subject : Information security & cyber law
Course : BCA
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Sec : B

Write a program to implement encryption & decryption using Caesar cipher on the input plain text = "Attack from North"

```
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 = "Attack from North"
```

```
s = 3
```

```
print("Plain text:", text)
```

```
print("Performing DECRYPTION")
```

```
def decrypt(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 = encrypt(text, s)
```

```
s = 3
```

```
print("Decrypted text:", decrypt(text, s))
```


OUTPUT

PERFORMING ENCRYPTION:

Plain text: Attack from North.

Encrypt text: Dwwdfnqiurpq Qvuuwr

Performing DECRYPTION:

Decrypted text: Attack from North.

Endel