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CLASS ROLL NO - 03

COURSE - BCA(VI) B

PAPER NAME - INFORMATION SECURITY AND CYBER LAWS (PBC-601)

Answer 5 -

Program to implement Encryption and decryption using
Caesars cipher on the input plain text = "Attack from North"

SOURCE CODE -

```
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
```

```
3
```

```
text = "ATTACK FROM NORTH"
```

```
s = 3
```

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

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```
print("Encrypted text:", encrypt(text, s))
```

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

```
s = 3
```

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

Output - PERFORMING ENCRYPTION:

Plain text: ATTACKFROMNORTH

Encrypted text: DWWDFNIURPQRUWK

PERFORMING DECRYPTION:

Decrypted text: ATTACKFROMNORTH

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