

NAME - SHIVANSH SETHI

COURSE - BCA 6 B

ROLL NO - 1121137 CLASS ROLL NO - 55

Bsethi

(5) Encryption & Decryption using Caesar Cipher

Encryption

Plaintext = "Attack from North"

```
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)
```


Bsethi

Bsethi

Bsetw

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

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))
```

BsetwBsetw