

Name - Hrushik Rawal

Roll.no. - 1121065

Sub. Code - TBC-601

Ques 5 → Python Program

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"
```

Decryption using Caesar cipher

```
def decrypt(string):
```

```
    plain = ''
```

```
    for char in string:
```

```
        if char == ' ':
```

```
            plain = plain + char
```

```
        elif char.isupper():
```

```
            plain = plain + chr((ord(char) - 3 - 65) %  
26 + 65)
```


else:

plain = plain + chr((ord(char) - 3 - 97) - 1 - 26 + 97)

return plain

text1 = 'Dwwdfn tq @xvwk'

Print ("string is:", text)

Print ("after encryption:", ~~encryption~~ encrypt(text))

Print ("cipher string is", text1)

Print ("after decryption", decrypt(text1))

Thank