

Ans 5)

Encryption & Decryption using Caesar Cipher

Encryption

```
def encrypt(string):
```

```
    cipher = ""
```

```
    for char in string:
```

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

```
            cipher = cipher + char
```

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

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

```
        else:
```

```
            cipher = cipher + char((ord(char) + 3 - 97) % 26 + 97)
```

```
    return cipher
```

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

```
print("After Encryption :", encrypt(text))
```

Decryption

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

```
    plain = ""
```

```
    for char in string:
```

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

```
            plain = plain + char
```

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

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

```
else:
```

```
plain = plain + char((ord(char) - 3 - 97) % 26 + 97)
```

```
return plain
```

```
text = "  "
```

```
print("after decryption : ", decrypt(text))
```