

Name: Shivani Patwal

Rollno: 1121134

Answer 5

Encryption

```
def encrypt()
```

```
    cipher = ''
```

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

```
    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
```

```
    print("Original string", string)
```

```
    print("After encryption", encrypt())
```

decryption

cipher = ''

string = 'Attack from North'

def encrypt():

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

print("Original string", string)

print("After encryption," encrypt())

str = cipher

def decrypt():

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) % 26 + 97)

return plain

print('cipher string', str)

print("After decryption", decrypt)