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BCA 6(B)

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Question 5

// Caesar Cipher Encryption

def encrypt(string, shift):

cipher = ""

for char in string:

if char == ' ':

cipher = cipher + char

elif char.isupper():

cipher = cipher + chr((ord(char) +
shift - 65) % 26 + 65)

else:

cipher = cipher + chr((ord(char) +
shift - 97) % 26 + 97)

return cipher

Rishabh


```
text = input("enter string:")  
s = int(input("Enter shift number: "))  
print("original string!", text)  
print("after encryption:", encrypt(text, s))
```

Fishan

// Decryption

```
def encrypt(string, shift):
```

```
    cipher = ""
```

```
    for char in string:
```

```
        if char == " ":
```

```
            cipher = cipher + char
```

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

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

```
        else:
```

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

```
    return cipher
```

```
text = input("Enter string: ")
```

```
s = int(input("Enter shift number: "))
```

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

```
print("After encryption: ", encrypt(text, s))
```

fish