This rev challenge is a bit more complex, so I will go a bit in depth

The "input" is argv[1], the commandline argument we give

From main we know that s1 must start with "yeyy". For now let's assume s1 == yeyy

The check function performs a few changes on the input then verifies it against a predefined array. We can reverse these changes to obtain the initial input:

```python
def revcheck(a1, a2):
    v6 = sum(ord(c) for c in a1)
    v7 = v6 // 30
    v8=0
    a3=""
    for c in a2:
        c = chr(ord(c) ^ v7)
        if v8 % 2 == 1:
            c = chr(ord(c) + 4)
        else:
            c = chr(ord(c) - 4)
        a3+=c
        v8+=1
    return a3[::-1]

a2 = "f~}jwe|PlQ|ilo|dD"
a1 = "yeyy"
result = revcheck(a1, a2)
print(result)
```

The result of the program is the message mentioned in the flag format.

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