# checker

CSAW 2021 CTF

GoProSlowYo

## checker 141

What's up with all the zeros and ones? Where are my letters and numbers? (This is a reversing challenge.)

🚣 checker.py

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### checker

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Writeup URL: GitHub

```
1 What's up with all the zeros and ones? Where are my letters and numbers ? (This is a reversing challenge.)
```

#### **Initial Research**

This one is extremely straightforward and they literally tell us: (This is a reversing challenge.).

For this challenge you can work backwards through the provided python code and function calls to end up with the flag ultimately.

#### Decode then encode

The main function calls an encode function on the flag:

```
encoded = encode(flag).
```

If we look at the encode function we see it's setting d = 24 then it's calling x = up(input), x = right(x,d), x = down(x), x = left(x,d) and then returns x.

We need to take the encoded string and run backwards through main and each function.

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# Victory

Submit the flag and claim the points:

flag{r3vers!nG\_w@rm\_Up}

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