

Interencdec

I completed the interencdec problem in the picoCTF challenge. This problem required the unencoding of a few levels to ascertain the hidden flag.

First, I opened and displayed the contents of the supplied file.

Additionally, since it was Base64 encoded, I decided to decode it using the command ``base64 -d``.

On the other hand, I noticed that the result was in encrypted form but in byte format in Python code (``b'...'``).

Since the removal of the ``b'...'``, the code for this problem can now be written in the form:

```
wpjvJAM{jhlzhy_k3jy9wa3k_890k2379}
```

Only the alphabet changed, and no change occurred in the numbers, underscores, and braces.

This immediately pointed to it being a Caesar Cipher. Then the `wpjvJAM{` prefix had to be formatted exactly like the standard picoCTF flag format, which was `picoCTF{`, and the ROT-19 Cipher revealed itself. With rotation, the final flag is `picoCTF{caesar_d3cr9pt3d_890d2379}`