## readyXORnot

Written by ysf

The first cryptography challenge of this years TAMUCTF event reads:

```
original data: "El Psy Congroo"
encrypted data: "IFhiPhZNYi0KWiUcCls="
encrypted flag: "I3gDKVh1Lh4EVyMDBFo="
The flag is not in the traditional gigem{flag} format.
```

If the XOR-encryption is unknown to you, feel free to **read the wikipedia page about xor-ciphers**.

That said, to get the key used for both messages, we need to XOR the original data with the encrypted data. Then we'll use it to decrypt the encrypted flag.

A little caveat might be that the encrypted data (and flag) are encoded in base64. This is spoiled by the = at the end. This makes sense, the XORed data surely contains imprintable chars. So, let's decode them first.

In python it might look like this:

Which will output FLAG=Alpacaman after start.

```
[heddha+squifi@https://unicorn.university]$cd ~
```

-- INSERT -- wc:175- 28 February 2018 - made with ♥ by heddha+squifi