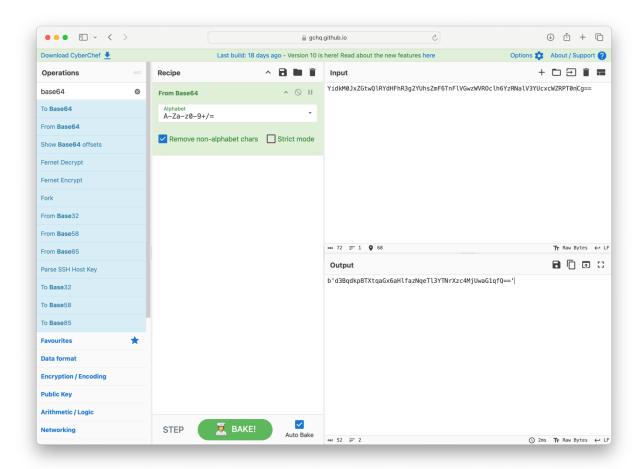
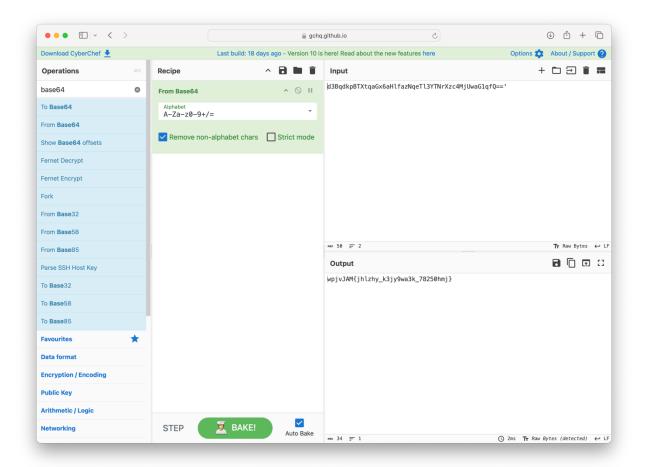
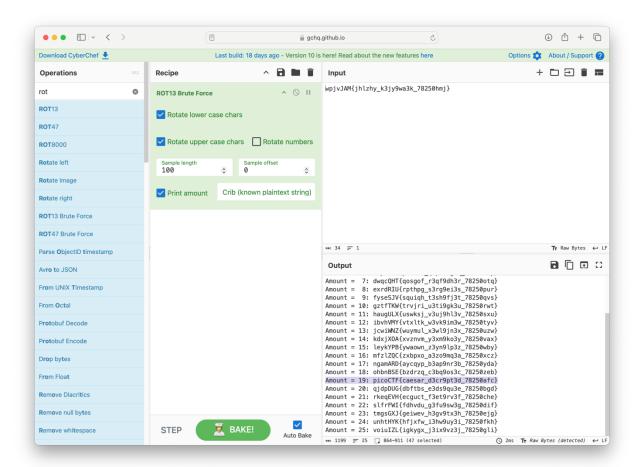
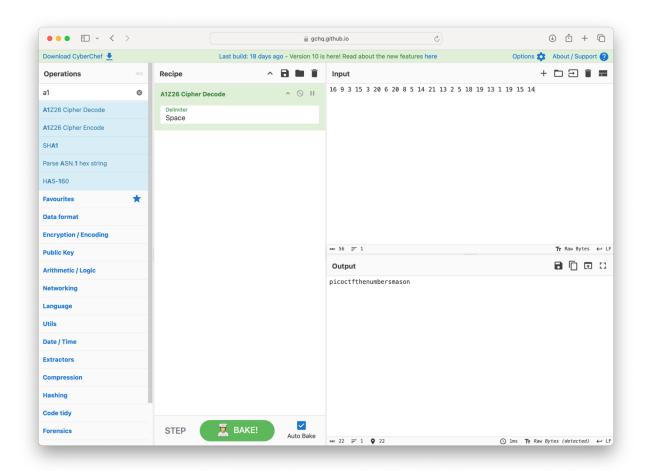
Ejercicio 1



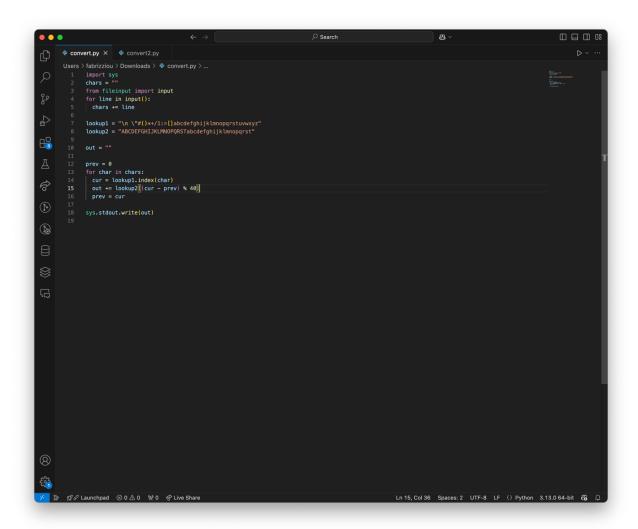




Ejercicio 2

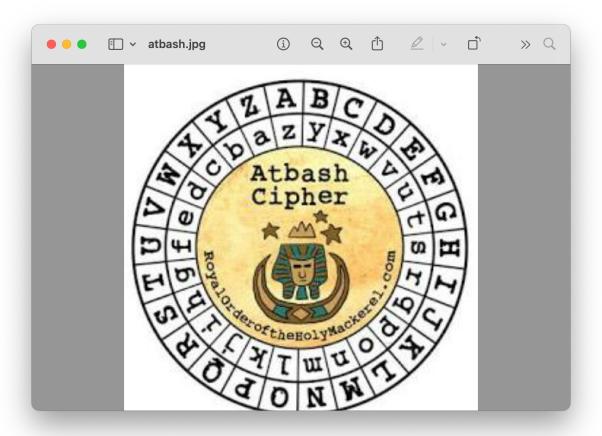


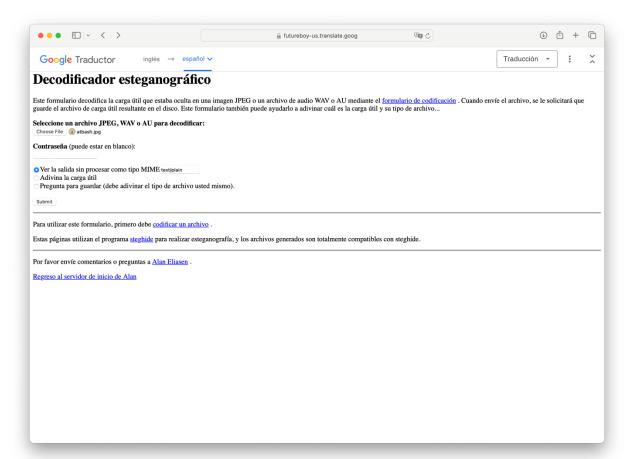
Ejercicio 3

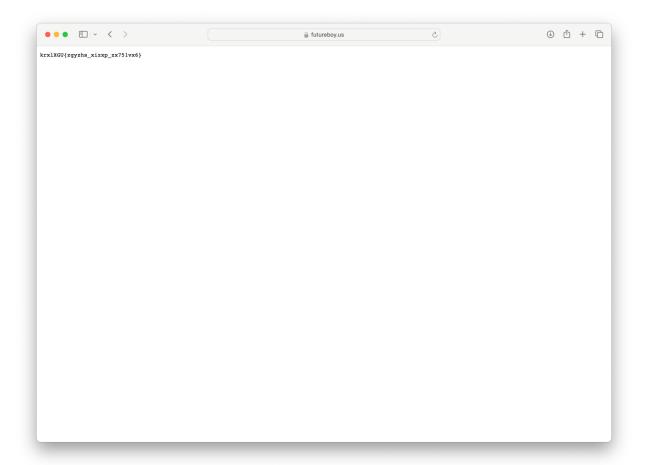


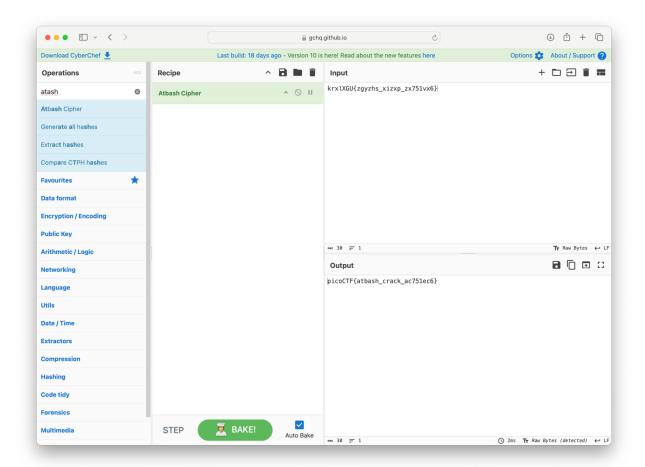
Respuesta picoCTF{adlibs}

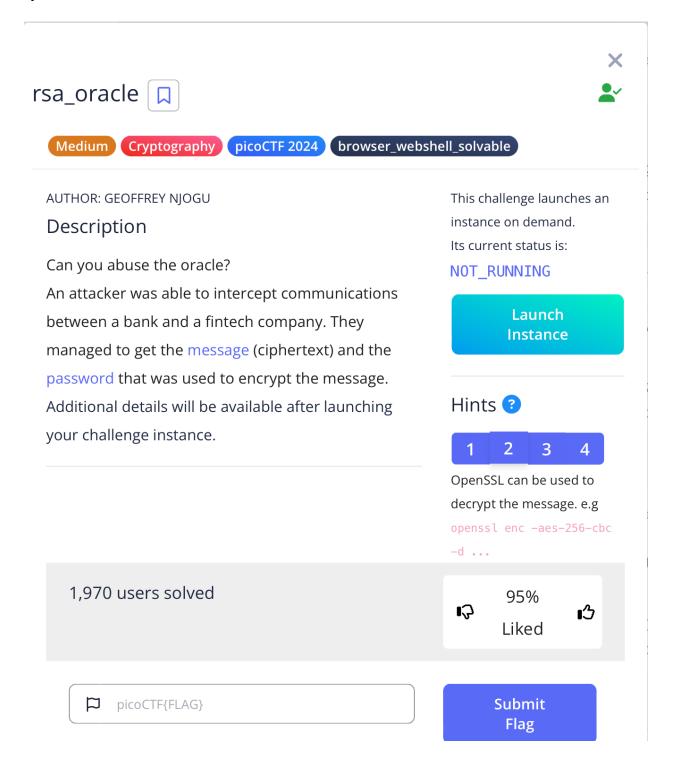
Ejercicio 4



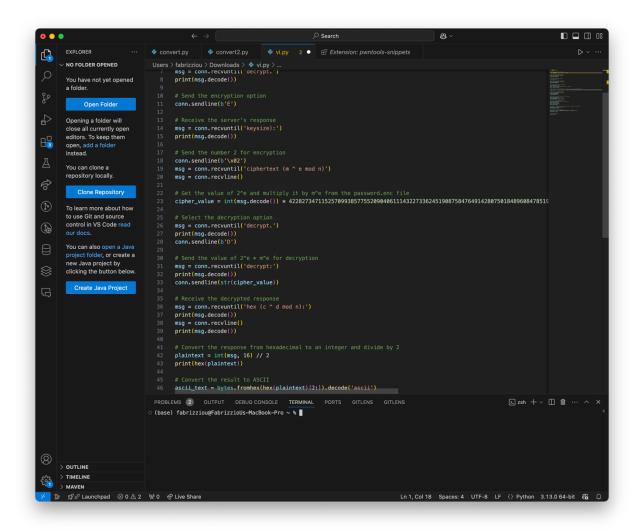








```
Downloads — -zsh — 111×24
(venv) (base) fabrizziou@FabrizzioUs-MacBook-Pro Downloads % cat secret.enc
Salted_g???0' ^? 1??h??i???p2E???Lc}5;2?H?|UV;??h@?=??2
(venv) (base) fabrizziou@FabrizzioUs-MacBook-Pro Downloads % cat password.enc
[257513595098311731523456852285799527766211312807607183776349206976398976001860473381326592977224529222304628809]
8298720343542517375538185662305577375746934
(venv) (base) fabrizziou@FabrizzioUs-MacBook-Pro Downloads % nc titan.picoctf.net 55959
***********
************
what should we do for you?
E --> encrypt D --> decrypt.
enter text to encrypt (encoded length must be less than keysize):
encoded cleartext as \operatorname{Hex} m: 0
ciphertext (m ^ e mod n) 0
what should we do for you?
E --> encrypt D --> decrypt.
```



Por alguna razon me salia un error de clave deprecada, al intentarlo de nuevo seguia con el error, como hicimos el trabajo en grupo le pregunte a mis compañeros cual era la clave que daba el programa a todos nos dio da099

```
Downloads — -zsh — 111×24
://docs.pwntools.com/#bytes
  response = connection.recvuntil('decrypt:')
Enter text to decrypt:
/Users/fabrizziou/Downloads/vi.py:31: BytesWarning: Text is not bytes; assuming ASCII, no guarantees. See https
://docs.pwntools.com/#bytes
connection.send(str(num)+'\n')
/Users/fabrizziou/Downloads/vi.py:33: BytesWarning: Text is not bytes; assuming ASCII, no guarantees. See https
://docs.pwntools.com/#bytes
  response = connection.recvuntil('hex (c ^ d mod n):')
 decrypted ciphertext as hex (c ^ d mod n):
 c8c2607272
0x6461303939
da099
[*] Closed connection to titan.picoctf.net port 55959
(venv) (base) fabrizziou@FabrizzioUs-MacBook-Pro Downloads % openssl enc -aes-256-cbc -d -in secret.enc -k da09
*** WARNING : deprecated key derivation used.
Using -iter or -pbkdf2 would be better.
bad decrypt
8518635328:error:06065064:digital envelope routines:EVP_DecryptFinal_ex:bad decrypt:crypto/evp/evp_enc.c:612:
X?p8?g??/?
                ?uj??'t?[?}6?iL*2
(venv) (base) fabrizziou@FabrizzioUs-MacBook-Pro Downloads %
```

al revisarla calve que decifro el codigo de python nos dimos cuenta que tanto a mis compañeros como a mi nos dio la misma respuesta asi que procedi a utilizar la decodificacion que les salio a ellos obteniendo la respuesta correcta la cual es:

Respuesta: picoCTF({su((3ss_(r@ck1ng_r3@_da099d93})

La imagen del terminal es prueba de que aun utilizando la pista que el ejercicio proporciona openssl enc -aes-256-cbc -d. no decodifica el mensaje menciona que la clave esta deprecada.