PicoCTF Challenges

1) Steps for 1st CTF

1) first download the file and the content that are present in some random strings.

File Edit View H1

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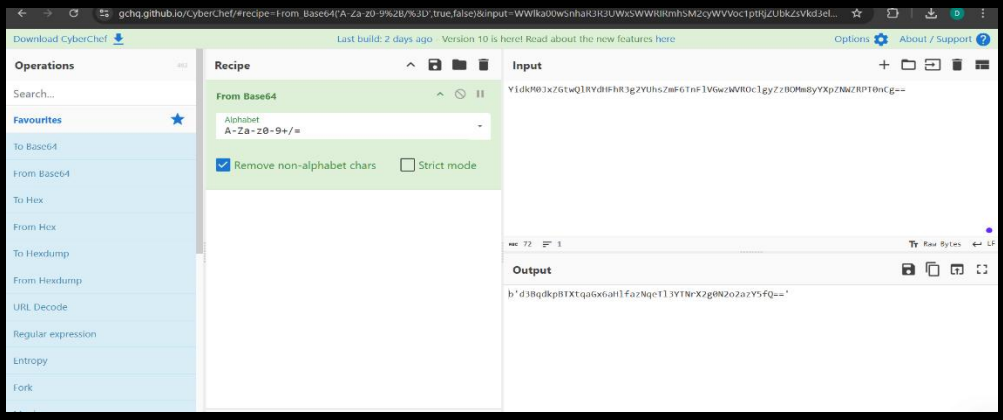
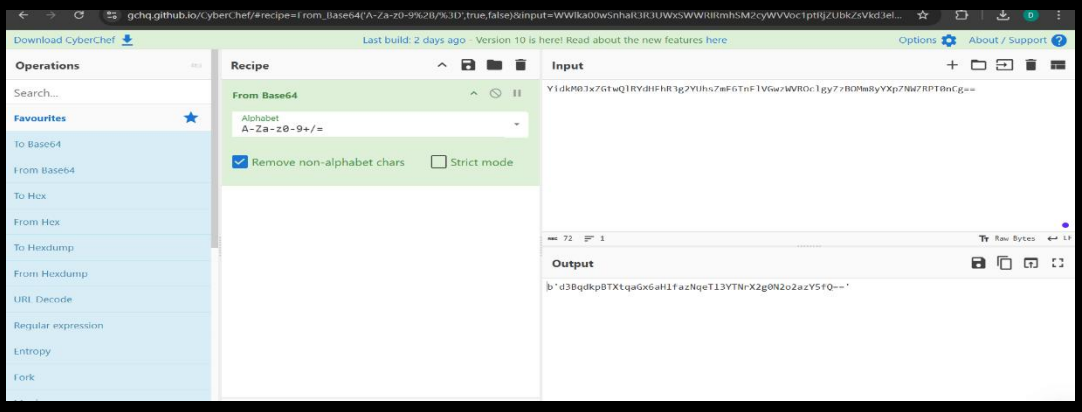
YidkM0JxZGtwQlRYdHFhR3g2YUhsZmF6TnFlVGwzWVROclgyZzBOMm8yYXpZNWZRPT0nCg==
```

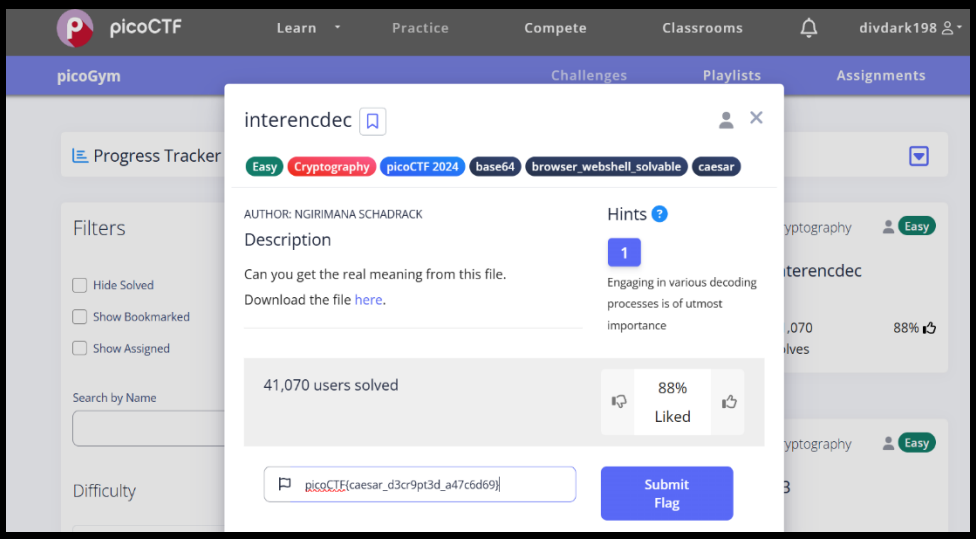
2) than use cyber chef to decrypt the text in file.



3) use base 64 and rot 13 bruteforce to decode it.

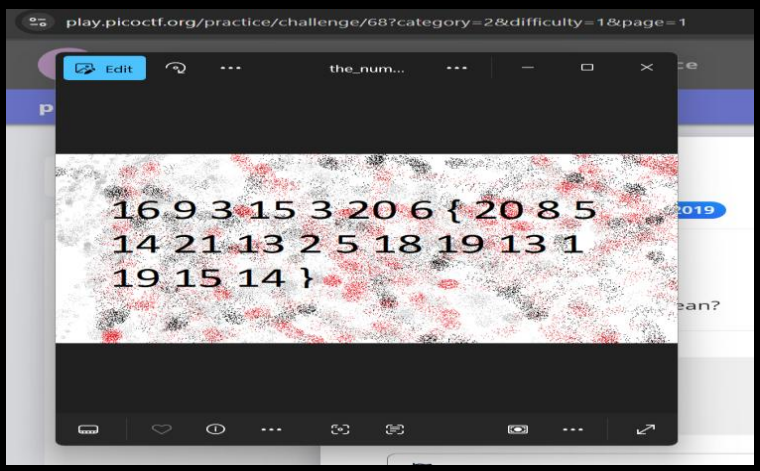


4) after this we will get our flag.

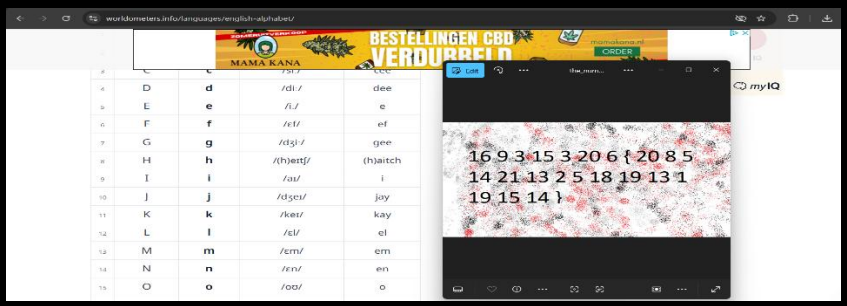


2) Steps for 2nd CTF

1) we will download the .jpg from challenge.



2) we will decode it using its letters in the no. form.

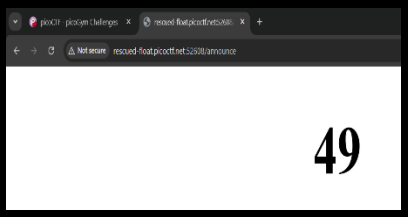


3) than we will get the flag.

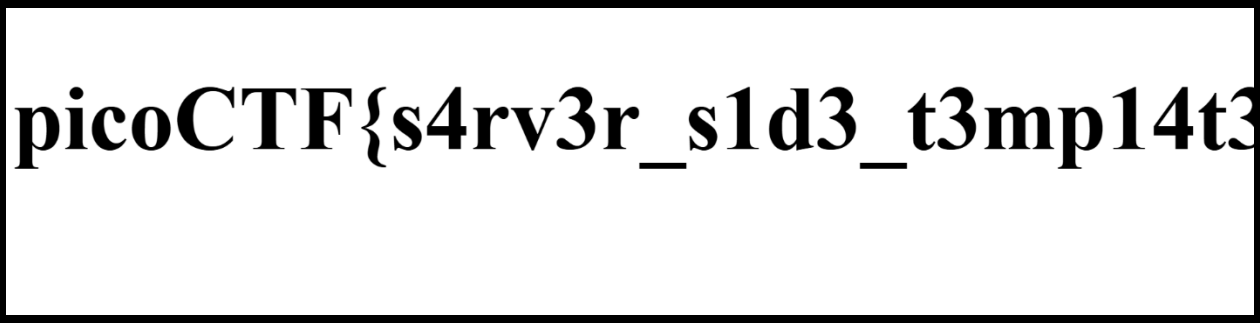
3) Steps for 3rd CTF

1) a search bar will appear after launching inctance.

2) now we will check the ssti1 vulnerability.

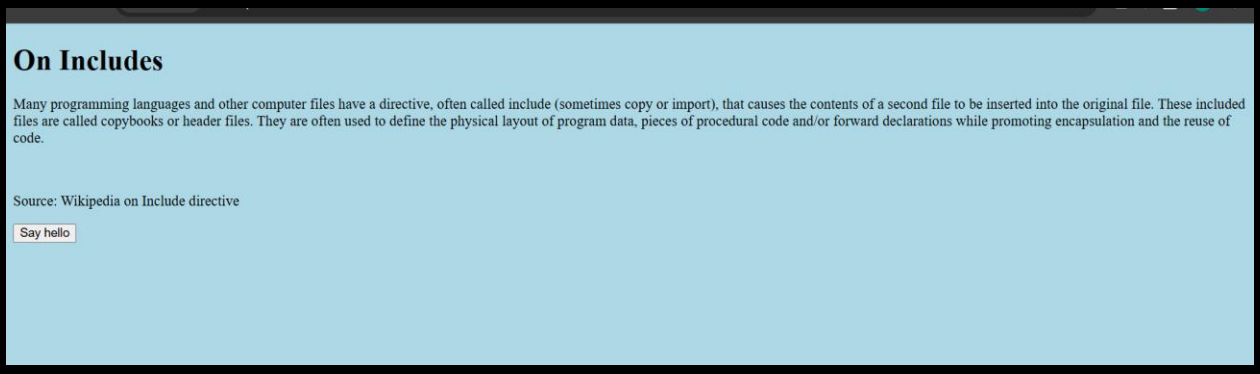


3) now we will use SSTI1 exploit command to exploit it and get the flag using ls and cat (filename) command in exploit command.

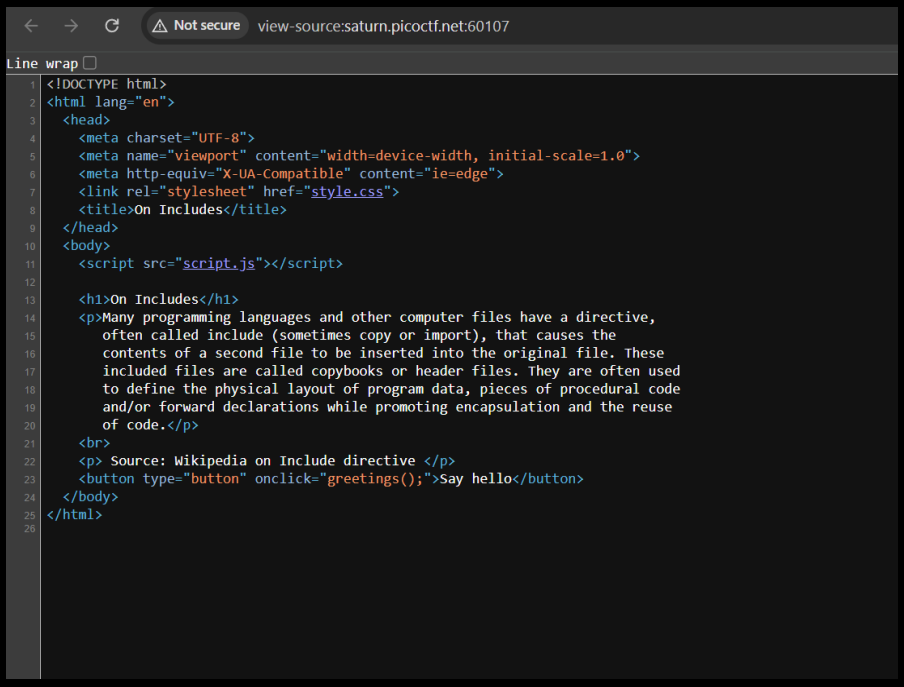


4) Steps for 4th CTF

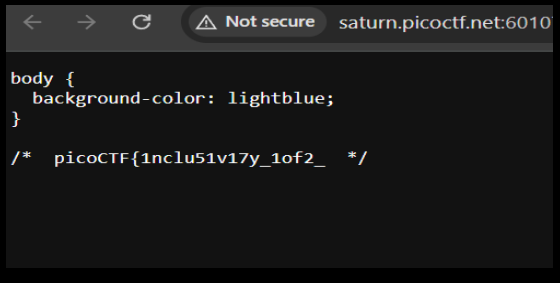
1) after starting the machine we get on the website.

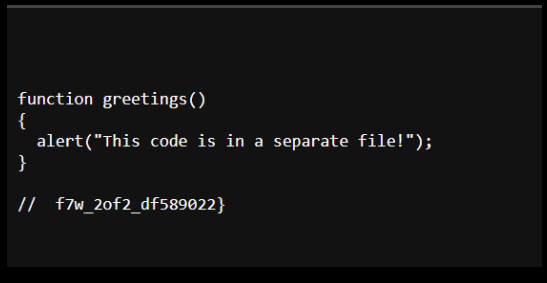


2) we will check for its source code for vulnerability.



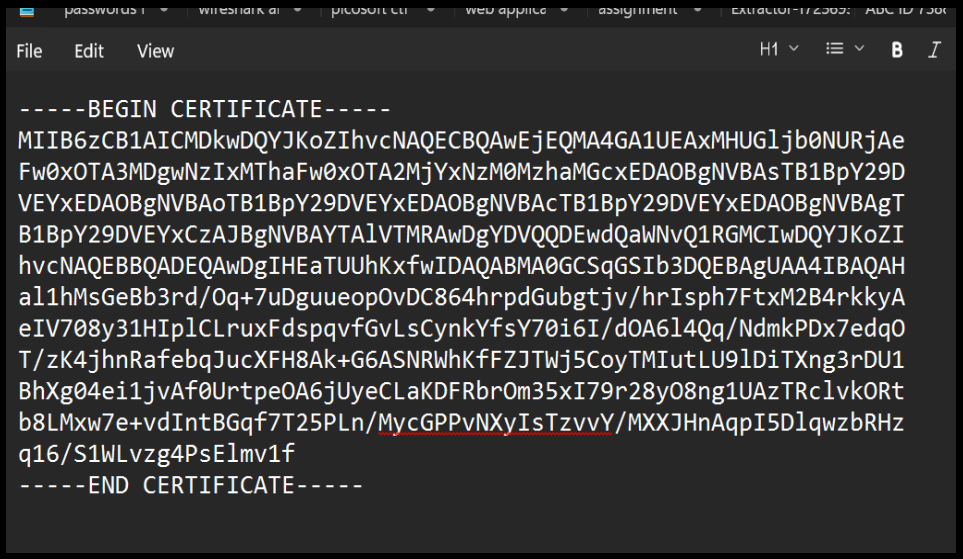
3) in script.js and style.css we will get our flag in two parts.





5) Steps for 5th CTF

1) in this first download the doc. That contain random strings.



File Edit View H1 B I

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-----BEGIN CERTIFICATE-----
MIIB6zCB1AICMDkwDQYJKoZIhvcNAQECBQAwEjEQMA4GA1UEAxMHUGljb0NURjAe
Fw0xOTA3MDgwNzIxMThaFw0xOTA2MjYxNzM0MzhaMGcxEDAOBgNVBAsTB1BpY29D
VEYxEDAOBgNVBAoTB1BpY29DVEYxEDAOBgNVBAcTB1BpY29DVEYxEDAOBgNVBAgT
B1BpY29DVEYxCzAJBgNVBAYTAlVTMRAwDgYDVQQDEwdQaWNvQ1RGMCIwDQYJKoZI
hvcNAQEBBQADEQAwDgIHEaTUUhKxfwIDAQABMA0GCSqGSIb3DQEBAgUAA4IBAQAH
al1hMsGeBb3rd/Oq+7uDgueoopOvDC864hrpdGubgtjv/hrIsph7FtxM2B4rkkyA
eIV708y31HIplCLruxFdspqvfGvLsCynkYfsY70i6I/dOA6l4Qq/NdmkPDx7edqO
T/zK4jhnRafebqJucXFH8Ak+G6ASNRWhKfFZJTWj5CoyTMIutLU9lDiTXng3rDU1
BhXg04ei1jvAf0UrtpeOA6jUyeCLaKDFRbrOm35xI79r28yO8ng1UAzTRclvkORt
b8LMxw7e+vdIntBGqf7T25PLn/MycGPPvNXyIsTzvvY/MXXJHnAqpI5DlqwzbRHz
q16/S1WLvzg4PsElmv1f
-----END CERTIFICATE-----
```
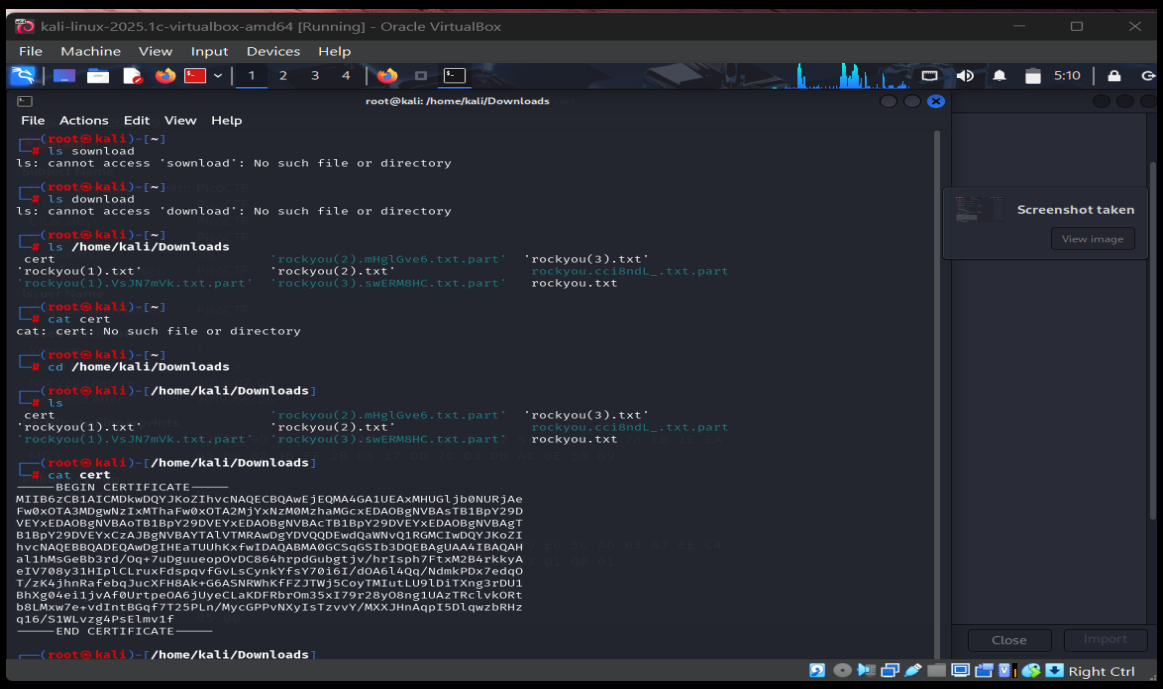
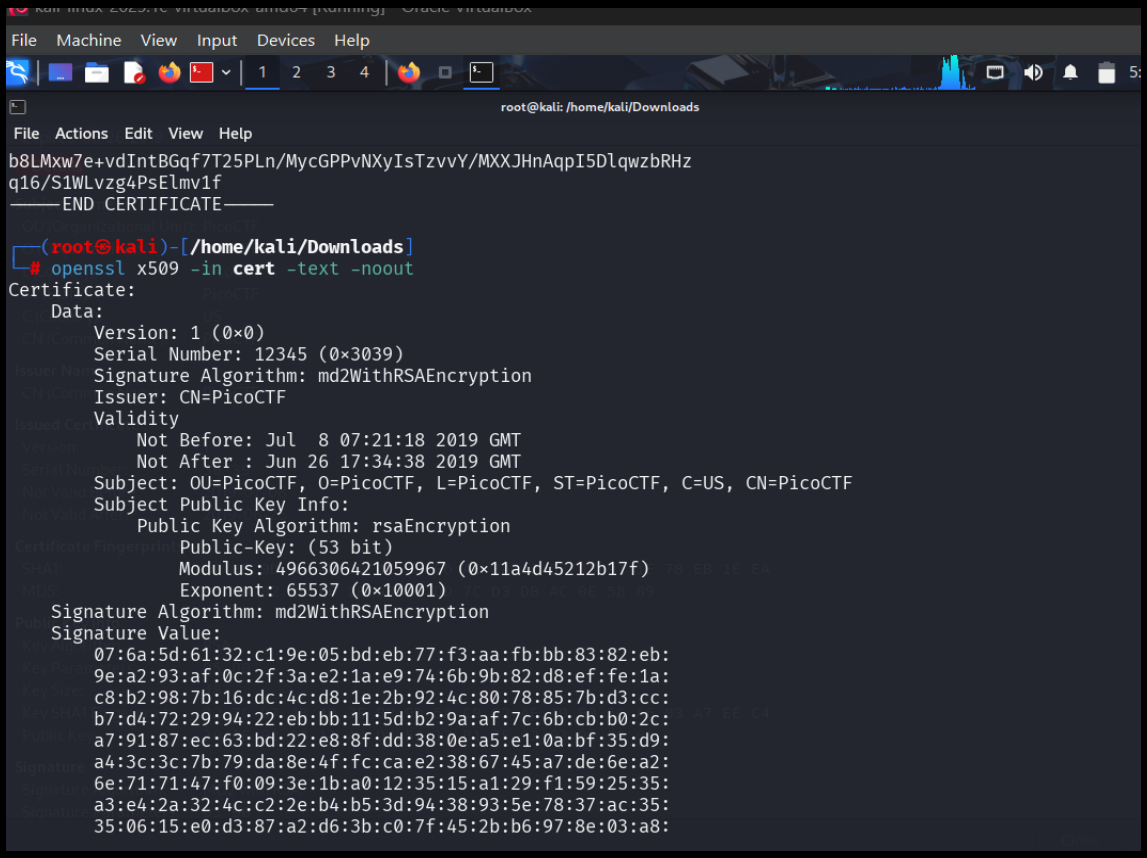

2) we will use linux openssl command to get the info of document.





3) now we will get the certificate info. In this we get the modulus value that can be use to find factors which will give us the value of a and b.

4) after getting our value this will be our flag