1. CTF 5.01 Capture- Azerbaijan

KkNURntraWxsaW5nIHlvdXIgYnJhaW4gbGlrZSBhIHBvaXNvbm91cyBtdXNocm9vbX0=

Looking at the encryption itself and the = sign at the end can one conclude it is Base64

I have used Burp decoder to get the answer \*CTF{killing your brain like a poisonous mushroom}

1. CTF 5.02 capture\_Central African Republic

2a4354467b4272696e67204461205275636b75737d

By just looking on the encryption once can conclude the encryption is ASCllhex since there is no value that is greater than F. I have also used Burp Decoder to get the flag \*CTF{Bring Da Ruckus}

1. CTF 5.07 capture\_razil

CLUsFeOpcKy9qzeyuqVEuGJwIV9CZep3p/SeqKaQ9JXfl6PEpEE7gInM+mOfdtUi

For this CTF I was struggling to which free resource I need to use to get the answer.

First, I have used Burp decoder and was not working . After looking and searching online I have found this resource called AES encryption that can decrypt text with AES algorithm. Once looking into the hint, I was able to figure it out that the key to decrypt the AES encryption is PROTECT YA NECK. Using the key and the open online resource( https://aesencryption.net) I was able decrypt and get the answer. \*CTF{Come to my center, you enter the winter}

1. CTF 5.06

7d2e03292f3370267435262277363b2c2328233c3b2f33

This ctf has a hint that is telling us the encryption is using repeating-key XOR and the key is in the title. Since there is a letter per two chars in the cipher text I was able to tell the encryption need to be decrypted from HEX to XOR with the given key WUTANG. To decrypt I have used the open online resource called CyberChef.

