

विश्वCTF

CHALLENGE NAME : [INTO THE DARK]

DEV : [SAKSHAM SAIPATWAR]

CATEGORY : [DIGITAL FORENSICS]

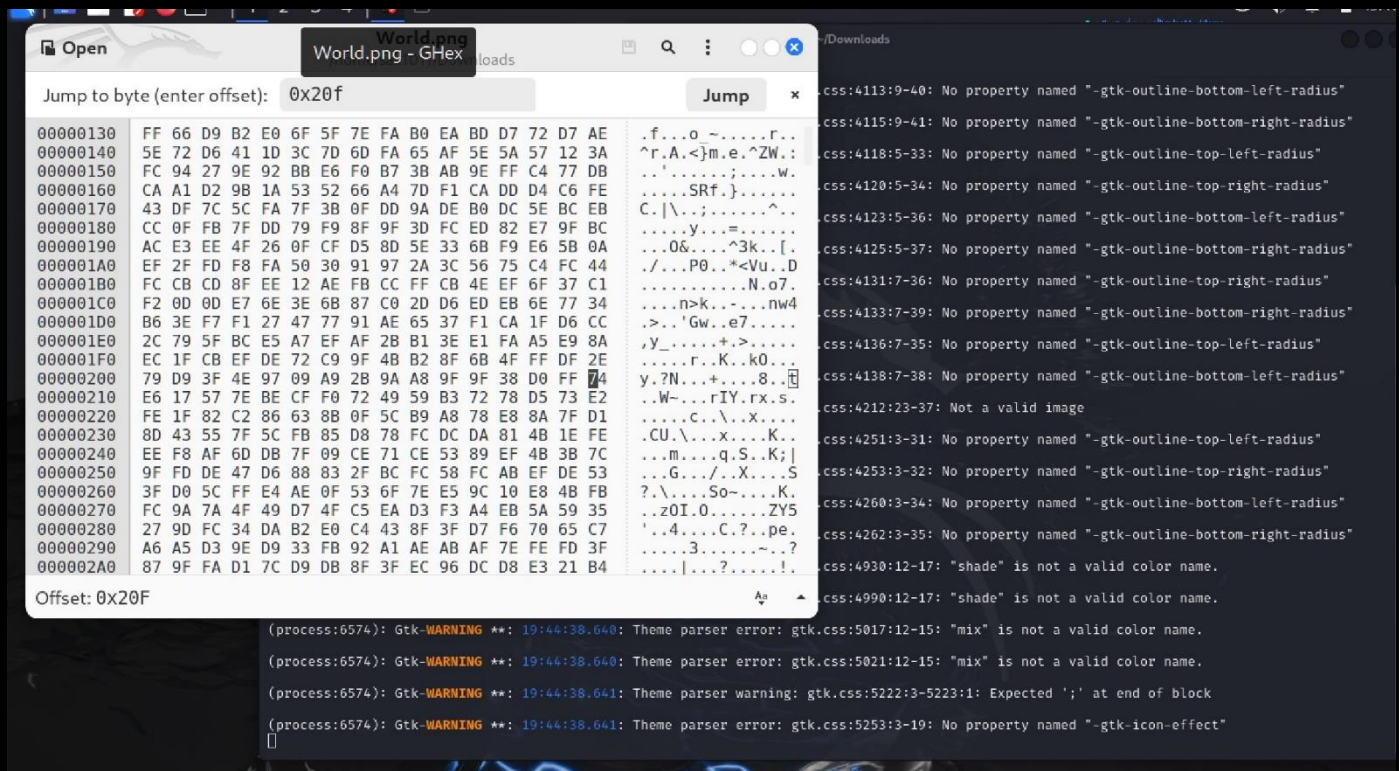
LEVEL : [MEDIUM]



2024

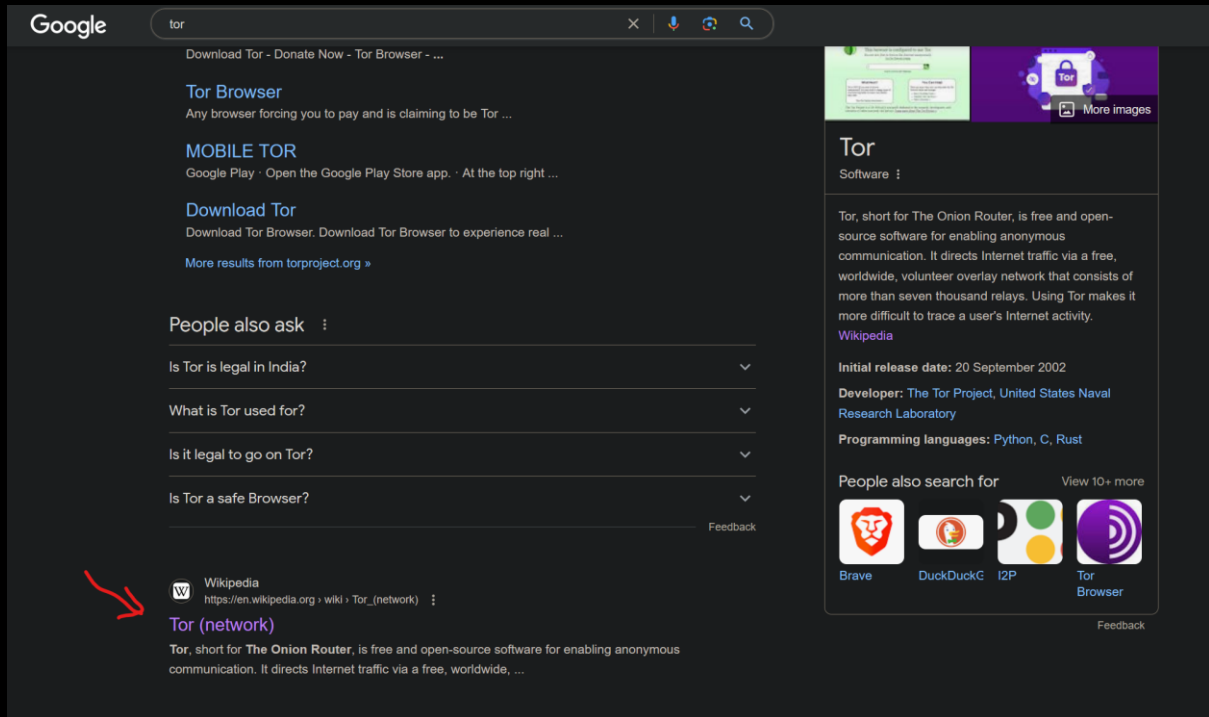
Description :- Things are getting darker. We are attacked by aliens and the only way to save the world is using onions (Aliens are allergic to onions). Search for it and finally figure out a way to save the world. I have something that our ancestors passed on to us; it will help you through your journey.

Inside heirloom.txt file you can see there is encrypted text at the bottom which requires password . You can get the password from the image itself as the hex addressed are provided .



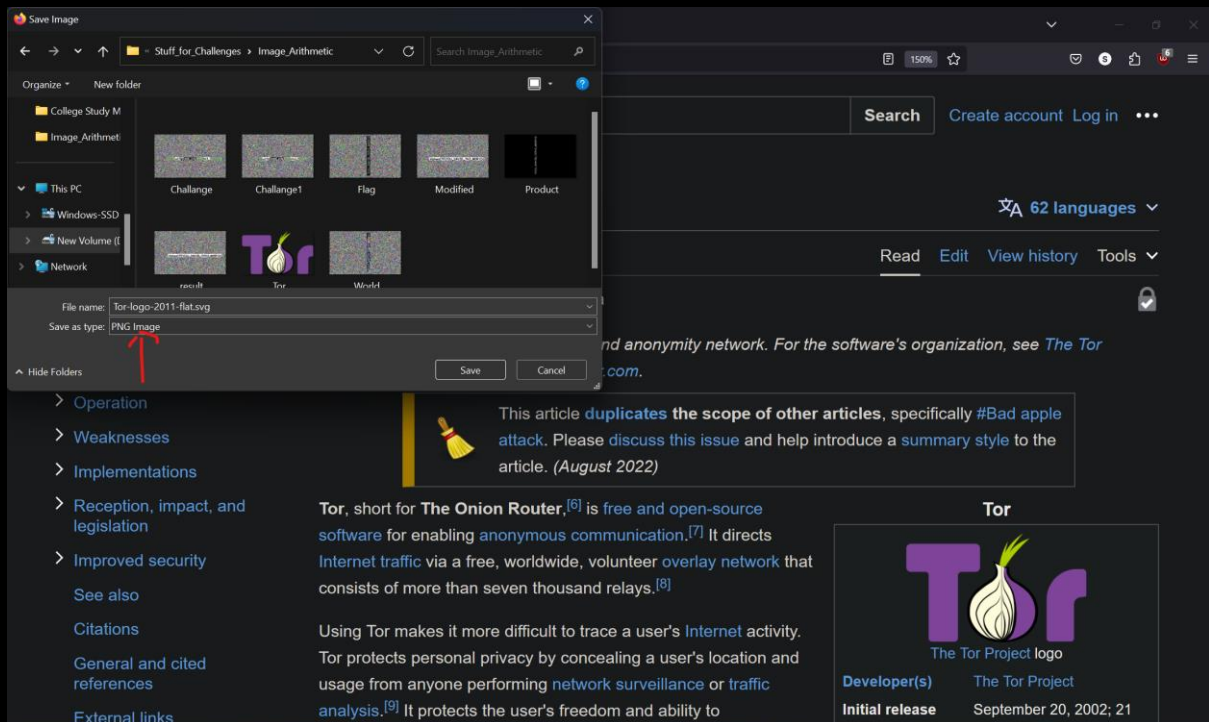
From here you will get the password along with some additional characters -- 'torlogowikisaveaspng' just follow what it says and get the image (The last hex value when converted to decimal gives 2011 which helps you get the exact image) . **Also apply the given transformation on the image .**

Step 1 : Search for tor on google ... open only the Wikipedia link



Step 2 : Right click on the tor logo And save the image as png file

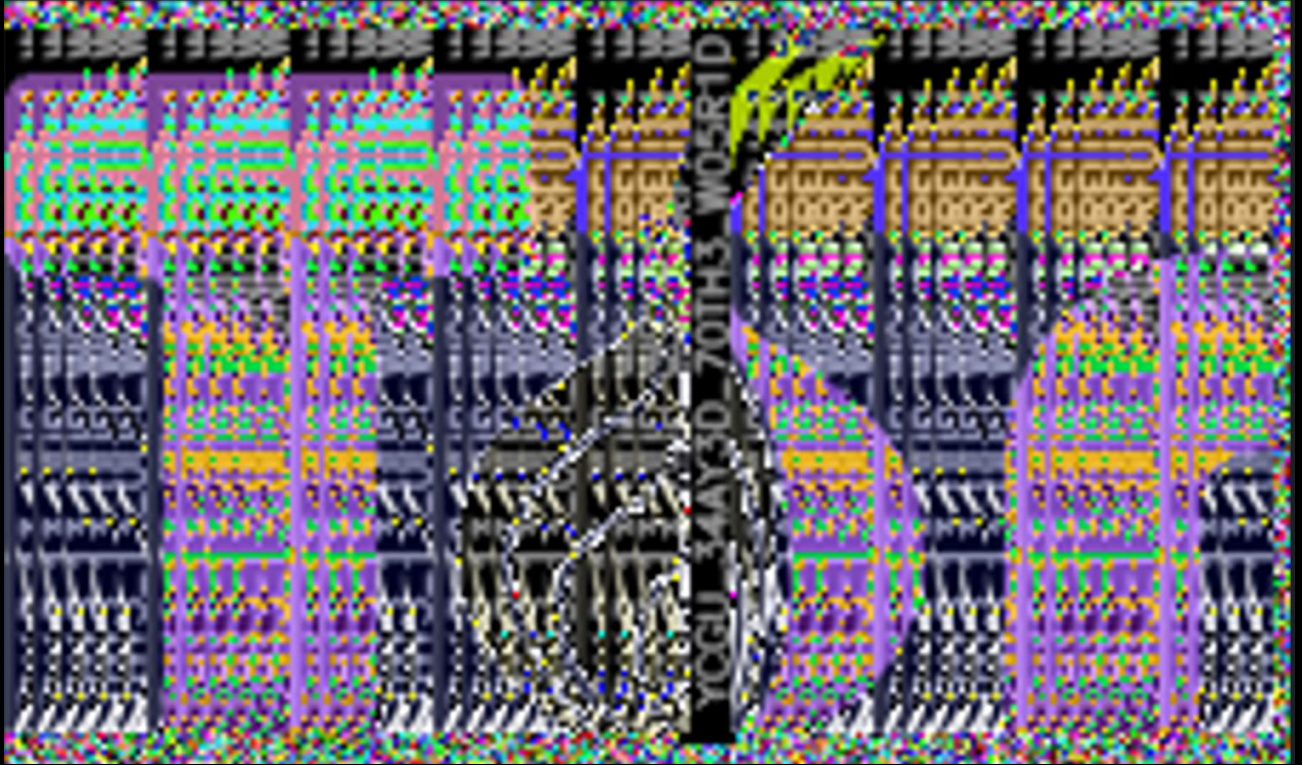




Step 3 : Add the tor image in the world image using python code (OpenCV library) and get the flag image .
(You may need to resize the tor logo image)

```
49 # Reverting to the original image
50 world_img=cv2.imread("World.png")
51 tor_img=cv2.imread("Tor.png")
52 print(world_img.shape)
53 # Resize to the shape of world image
54 tor_img=cv2.resize(tor_img,(225,136))
55 print(tor_img.shape)
56 og_img=world_img+tor_img
57 cv2.imshow("OG",og_img)
58 cv2.imwrite("Flag.png",og_img)
59
60 cv2.waitKey(0);
61 cv2.destroyAllWindows();
```


Step 4 : Enter the flag in the specified format



FLAG :- VishwaCTF{YCGU_34AY3D_70TH3_W05RID}