

FA2022 Week 02

# CSAW CTF HOWTO

Thomas Q.



# Announcements

- Thanks for coming to CSAW!!!
- Pizza at 8 Something
- Event goes 48 hours!



`sigpwny{thanks_for_pl@y1ng_csaw}`

funny image here



# Who am I?

Thomas Quig

- SIGPwny President 2020-2022
- Consulting, Research, CTF

Network Security, OPSEC, OSINT

- In other words, useless @ CSAW

Teaching

- I love it!

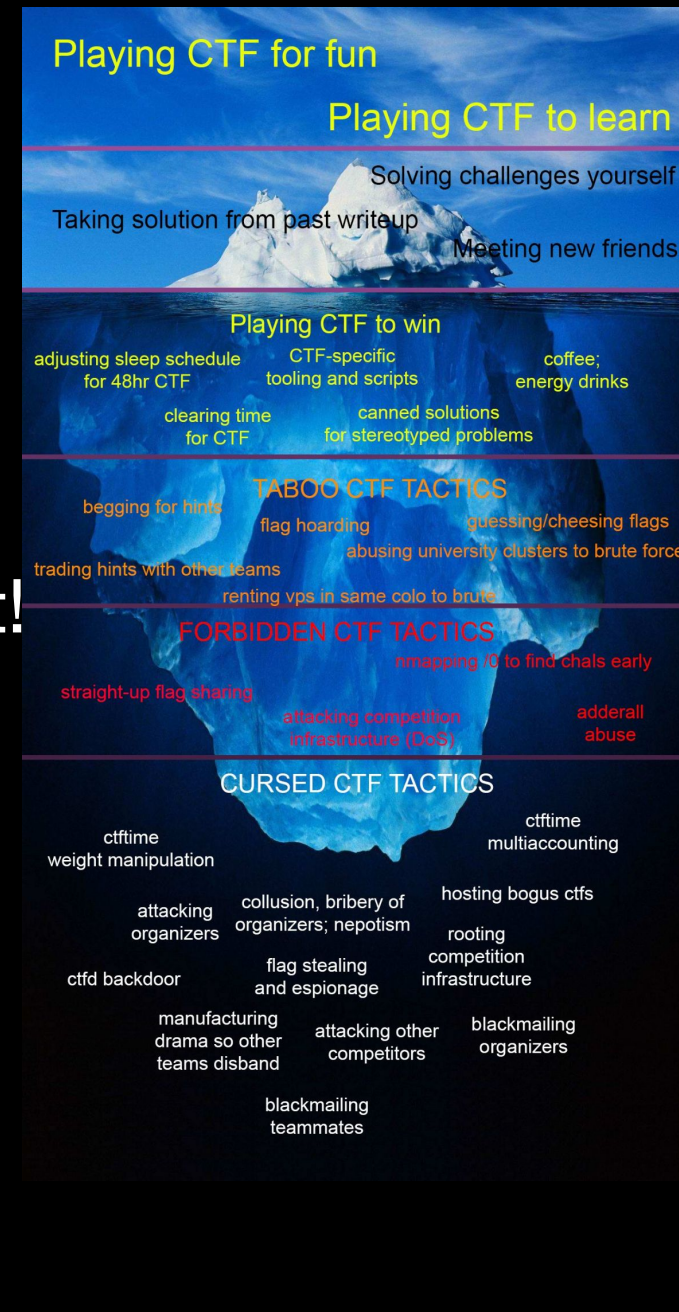


# Etiquette

We don't want to get DQ'd

Here is what we are doing to not do that!

- **Do not share/trade/buy/sell flags**
  - **WITH/FROM/TO ANYONE!!**
- **Do not attack CTF infrastructure**
- **Do not harass organizers!!**
  - **Don't spam for hints, come to us first**
- **Don't use university infrastructure**



# Your options

1. Hang out!!! Do SIGPwny CTF
2. Look at **already solved challenges**
  - a. I will be doing **walkthroughs**
3. Shadow someone more experienced **as they do work on chals**
4. Attempt to **do challenges yourself**

THIS IS NOT AN EASY CTF





# Pwntools

Get set up in pwntools

```
pip3 install pwntools
```

if it doesn't work, let me know!



# World Wide Web

Challenge 175 Solves ×

## Word Wide Web

### 196

Isn't the Word Wide Web a fascinating place to be in? Words.. so many words.. all linked... NOTE: The flag doesn't have a wrapper. It needs to be wrapped with curly brackets and please put **CTF** in front of the curly brackets.

<http://web.chal.csaw.io:5010>



# Oh god what is this?

## YOLO

kept pitch heat mouse law plus cave diameter order listen detail quietly history fifty rhyme whatever brave progress trouble round cotton kept thread told compass whatever layers final back coat victory describe character action putting son past into goose power zipper we numeral best outline terrible beat planned clothes sink shall dirty highest seat war success thirty level satellites mail shown carried coat leader instant help outside thus movie drove pony prize examine written plate weight above harder happy liquid roof having worker kitchen carbon nearer colony pan lying golden slope food age wild action development ancient position three weather select along copper cowboy vowel dig went locate tongue rocky health design split manner claws weight found book subject fairly mighty class him finally scared labor quietly layers unknown nor double doctor rain although driving iron water harbor important bear mud beauty spell does load former sweet promised summer truth thou talk grabbed feel syllable event range sport pictured cutting factor trace been card clothing please medicine union main west sink laid finest physical fresh parallel shinning hung direct already distant imagine hall running element is you motor slightly indeed particularly appearance pair told post involved lie needed knew can or eleven grow his coach eleven follow aboard southern duty roar beginning series cave adult mainly because sunlight tonight town cloud bear branch laid chance soil indeed chest bus exchange nearest pole mine blue mathematics most tip me shallow band ate method political screen moving frog pressure strong himself real shaking full pony eye beginning expression then stems pair parallel table movie welcome became your paragraph fun circle spend dirty die package especially compare paint signal lake direction rocky per class using mountain toward seldom whistle prize blood goes angry until wife car modern climate army in tool finish breeze author proud fewer floor wore nobody lost press interior view complete being paint lack blow hour nodded just worried tall term citizen gave face box see if additional halfway sail cap moon waste why surface pleasure species goose motor among directly fact powerful season plenty fighting parent free moon porch scientific health only final wrong human saved hay buy bottle fall officer north replace remove note system put brick entirely crew key pure sheet wherever slept huge twice television film flame rhythm traffic model statement power swam glad route crop satisfied feature sea reader stiff bell experience rice sail scene government declared deer neck particularly green thought difference glass fat join cast order happy vapor reason carbon rays pair tomorrow hat scared game southern card stock dinner rush negative wait children night plane region if vote basic fresh closer lay stood change length raw boat actual free loud land chose man saddle ruler speech national gone hidden action forest language that chicken unknown selection planned bread rain hide within sets shade fort got mouth power smile seldom bank busy beauty given jet swept closely eaten pipe somewhere cage crop environment location division next river poem where fifth clean floor shinning popular grabbed tropical typical slept baseball its bee fourth forgot location symbol choose goes above people color build police great ill broad bag basis again three process think lift older seldom honor percent pupil be keep equal arrow street easily taken foreign farther clock suggest blow huge score does produce hidden burn anyone willing correct solution far mixture president nor comfortable began involved chest sold sky tightly highest length about struggle guide fence swim bush means visit likely slight faster group evening took friend vast pour such connected larger smoke front examine related safe have six machine father heat concerned bear first hand teach given west cut say discussion mainly sun have is no service everyone steam national establish muscle gently smell wheat should zulu drove bar smaller discussion bent silk twice little beside steady kitchen compare worker reason beauty lonely children grandfather quick blow mile wish zoo equipment at beside care separate announced into aloud per eventually path bread pan did command ago rapidly outline answer applied machine danger size everything instead terrible run ruler born position allow stomach pain ran warn nails should magic we vapor animal locate meet church society worse individual soft screen disease construction stepped became substance running swam bell major smell atomic lovely yourself daily lion unusual boat satellites birth government having cave pony window drawn vessels well return mouse swim route sport peace stove flat coach headed card layers here bare equally try anybody poetry apart could heat doll sight perhaps darkness globe later swimming car smaller human same melted occur recall than fed mile handle vapor everything rhythm over weigh add teacher did all pass his tide owner took goes phrase refused than mail rubber say swim room cotton than useful stranger egg spirit keep fresh burst on tried circus loose little man pig introduced build mud those carbon middle guard rapidly naturally office cold rays mean belt positive science sudden golden extra living substance gray free brush husband eight especially pole syllable tree port region somebody needle mass learn learn he pilot himself free due realize son family sometime last recall cake wait applied afraid dug post below interior whenever war pitch silent partly city escape buy first mine laugh movie them drop composed closely excited wheel yard deer mirror gradually street bit unless well strip strange prevent far shoulder some scientific read mad wrong stay offer right nearest strength dear daily attention practical power took knowledge build tide itself supper upon up slip sometime dried cloth shore classroom palace race third scientific cake roof observe perfect pour ground cell bottom actual fresh scientist grass watch police desert officer married satellites lose believed strange neighborhood throat wagon show loose weak steady you soil officer wind other build period applied cross met knowledge jar fence start layers smallest zebra water still anywhere knowledge many pressure essential creature curious chose pattern order kitchen break shake bat organization noise direction between scientist location deeply like shorter account hunter planning recently that log earn want pound



# ???? The Source!?

YOLO

kept pitch heat mouse law plus cave diameter order listen de  
describe character action putting son past into goose power ;  
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development ancient position three weather select along cop  
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wire mountain toward colder which size blood 2000 000

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<a>light</a>
<a>faster</a>
<a>group</a>
<a>evening</a>
<a>took</a>
<a>friend</a>
<a>vast</a>
<a>pour</a>
<a href="/such">such</a>
<a>connected</a>
<a>larger</a>
<a>smoke</a>
<a>front</a>
<a>examine</a> = $0
Show All Nodes (409 More)
</p>
</body>
```



# The Plan

1. Find each link that has an href tag
2. Go to that page

Thats slow!

1. Automation
2. Python requests



# OSINT (Our Spy in New Terrain)

Challenge 170 Solves

## Our Spy In New Terrain (OSINT)

206

It is up to you to determine who The Enemy is going to attack next and when they plan to strike! Their newest recruit is on twitter as DarkRoom8109. Good luck. [nc](#)  
[misc.chal.csaw.io](#) 5005

Flag

Submit





# Next Meetings

## Stinky - Amogus

- Description

## Fortnite - Balls lol

- Topic

-

## oafwejfioewajfweoiwefjo - eeeeeee

- aaaaaa

