

GRIMM

The word "GRIMM" is written in a large, white, sans-serif font. The letter "R" is replaced by a stylized Grim Reaper figure. The figure has a black silhouette of a head with two red eyes and a black scythe that forms the upper part of the letter "R".

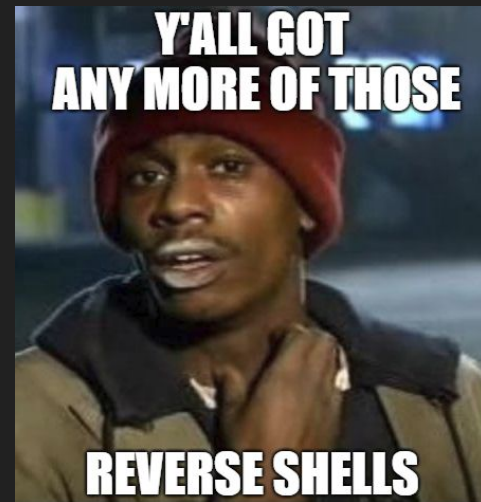
What is HAX?

- School-year-long CTF for people of all skills levels
- The purpose is to help students build desirable technical skills for cybersecurity through challenges
- New set of challenges every $\sim 1\frac{1}{2}$ months
- Each set corresponds to a topic
- After new set is released, solutions for the previous set of challenges will be released and the challenges will stay live for ~ 1 week for students to review



Topics Schedule

1. Linux/Unix (ending mid-Nov)
 - a. Bash scripting
 - b. Unix system basics and forensics
2. Windows
 - a. Powershell scripting
 - b. Windows basics, AD and forensics
3. Web/Database
 - a. OWASP Top 10
4. Reverse Engineering/Binary Exploitation
 - a. Stack overflows
 - b. Assembly
5. Cryptography
 - a. RSA
 - b. Elliptic curve cryptography
 - c. Cryptocurrencies
6. Network forensics
 - a. Wireshark
 - b. Bro
 - c. Scapy



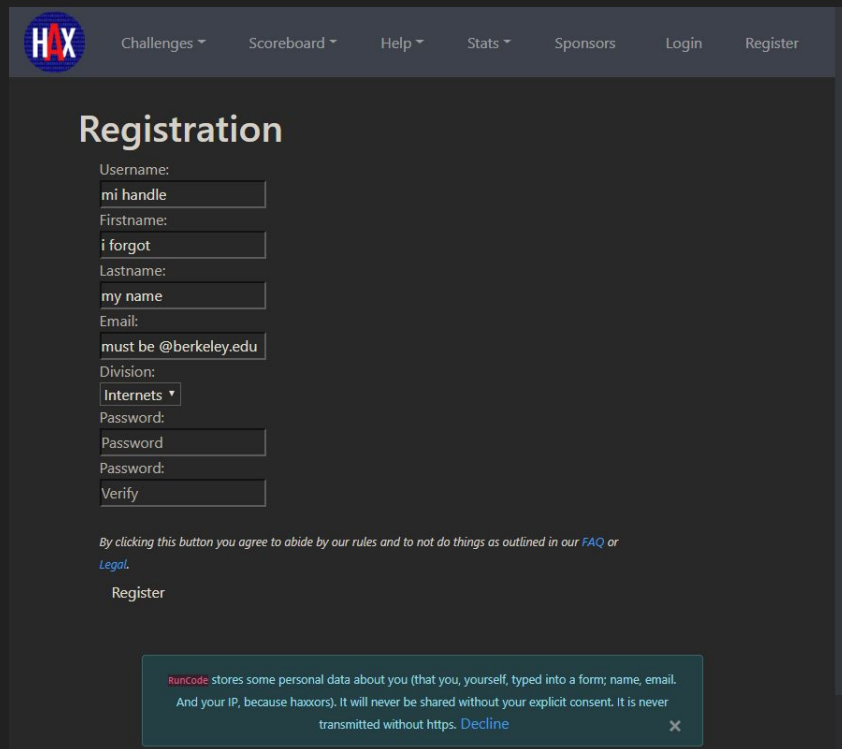
Prize

- Top rank gets mad rep yo
 - jk... everyone's a winner if you've learned a single thing from these challenges
- Challenge coins
 - no, you can't pay for coffee with this
- Gift cards
 - okay. yes, you can pay for coffee with this
- Also, highest overall scoring student will have an opportunity to intern at Grimm (tentative)




Getting Started

1. Go to scoreboard.hax.works/quick_reg
2. Register with berkeley.edu email
3. Hack away at challenges at scoreboard.hax.works/challenges



The screenshot shows the HAX website's registration page. At the top is a navigation bar with the HAX logo and links for Challenges, Scoreboard, Help, Stats, Sponsors, Login, and Register. The main heading is "Registration". Below it are input fields for Username (filled with "mi handle"), Firstname (filled with "i forgot"), Lastname (filled with "my name"), Email (filled with "must be @berkeley.edu"), Division (a dropdown menu showing "Internets"), Password, and a second Password field labeled "Verify". Below the form is a line of text: "By clicking this button you agree to abide by our rules and to not do things as outlined in our [FAQ](#) or [Legal](#)." followed by a "Register" button. At the bottom, there is a teal-colored notification box with a close button (X) in the top right corner. The text in the box reads: "RunCode stores some personal data about you (that you, yourself, typed into a form; name, email. And your IP, because haxxors). It will never be shared without your explicit consent. It is never transmitted without https. [Decline](#)".

Example of a Challenge

 **Hello_world**
1 pt
Author || First Blood || Writeups || Stats
Easy tutorial

Description

Print 'HAX(hello_world)'. This problem is only to help guide you through how this whole thing works.
****protip**** If you're sending a script, don't forget your shebang!

EX:

```
#!/usr/bin/env python
```

Take a look [here](#) if you need some assistance

Allowed Languages

ALL

Prerequisite Challenges

None

Sample Input

```
1. $ ./hello_world.py
```

Expected Output

```
1. $ ./hello_world.py
2. HAX(hello_world)
```

Expected Sha1 Hash:

d4d33f3bdbb4471bb8e8ac41fec9739100c569877

Solve:

Your Code

No file chosen

You have already solved this challenge, wewt!!

Latest Feedback (0xedward)

| | | |
|-------------|--------------------|---------------------|
| Escalator_1 | Success! | 2018-10-12 04:26:20 |
| Escalator_1 | Success! | 2018-10-12 04:26:09 |
| Escalator_1 | Dies While Running | 2018-10-12 04:25:43 |
| Attr_Boy | Success! | 2018-10-12 04:04:51 |
| bash1 | Success! | 2018-10-12 03:49:58 |

Resources

- I compiled a list of useful blog posts and tools at 0xedward.com/awesome-infosec (shameless plug)
- Shoot me a message on Slack ([@0xedward](#)) if you:
 - Want see a talk to go over any topic on the list, such as unix basics
 - Got a question about a challenge you are working on
 - Feel like you are missing any resources that would be helpful in your learning
- Jaime (super talented contact at Grimm) is willing to work with anyone through a challenge over email and possibly over the phone

Opportunity to be a hero!

- Challenges are created by college security clubs participating in the program
- UC Berkeley and RPI was assigned Reverse Engineering and Binary Exploitation
- **Anyone willing to help write challenges for RE/BinEx?** Message me on slack!




Contact Info

- Feel free to contact me ([@0xedward](#)) on Slack or Twitter with any other questions or if you want to work together on HAX
- Jaime Geiger

Another easy challenge:

Get on HAX and beat my ranking!

 Challenges ▾ Scoreboard ▾ Help ▾ Stats ▾ Sponsors Oxedward ▾

Internets Leaderboard

| Place | Username | Score | Easy | Intermediate | Hard |
|-------|---------------------------------------|-------|------|--------------|------|
| 1 | fpasswd | 1009 | 4/4 | 3/3 | 4/4 |
| 2 | rkevin | 1003 | 4/4 | 3/3 | 4/4 |
| 3 | Oxedward | 226 | 4/4 | 1/3 | 0/4 |
| 4 | sandw1ch | 151 | 4/4 | 0/3 | 0/4 |
| 5 | cs | 151 | 4/4 | 0/3 | 0/4 |
| 6 | knif3 | 151 | 4/4 | 0/3 | 0/4 |
| 7 | PamCerry | 151 | 4/4 | 0/3 | 0/4 |
| 8 | MG | 150 | 3/4 | 0/3 | 0/4 |
| 9 | mmezher | 150 | 3/4 | 0/3 | 0/4 |
| 10 | AAAAAAAAAAAAAAAAAAAAA | 101 | 3/4 | 0/3 | 0/4 |

First « 1 2 3 » Last

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