Hack Night

Week 2: Python Exploitation

Before We Begin

Make sure you have signed in!

Grab some food :)

Hack Night chat: https://hn-chat.csaw.io
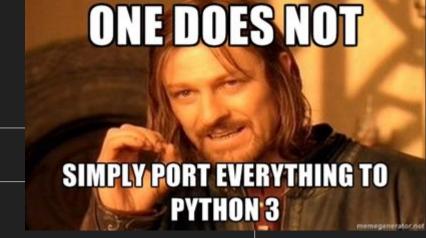
Sign up link: https://goo.gl/rSpeIO

Join our mailing list: https://goo.gl/wReOU5

Python 2 vs 3

ONE DOES NOT SIMPLY PORT EVERYTHING TO PYTHON 3

memegenerator.net

Python 2	Python 3
- Widely supported (default version that comes with almost all unix/linux operating systems) - More third party support for libraries and such - Most developers and systems use and still support Python 2 - If you want your application to work for more people - Not necessarily inferior to Python 3 - No further major development but continued support from Python organization	- NOT backwards compatible with python 2 code (meaning your old code will NOT work) - Starting to gather more support - Still less developer and library support - Better support for unicode - A few syntax changes - Main focus of major development from Python organization

Today's Major 🔑

ALWAYS MESS WITH USER INPUT

congratulations ...
you played yourself

What does the program expect?

What happens when you give it something different?

Do you understand what the program does?

(...do you really?)

Risky Python

- input()

- eval()

- exec

- os.*

- sys.*

Sploitin' Time

https://hn.csaw.io