




# Welcome to the CoGrammar

## A Toolbox For Ethical Hacking

**The session will start shortly...**

Questions? Drop them in the chat. We'll have dedicated moderators answering questions.



## Cyber Security Session Housekeeping

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- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly.  
**(Fundamental British Values: Mutual Respect and Tolerance)**
- No question is daft or silly - **ask them!**
- There are **Q&A sessions** midway and at the end of the session, should you wish to ask any follow-up questions.
- If you have any questions outside of this lecture, or that are not answered during this lecture, please do submit these for upcoming Academic Sessions. You can submit these questions here: [Questions](#)

## Cyber Security Session Housekeeping cont.

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- For all **non-academic questions**, please submit a query: [www.hyperiondev.com/support](http://www.hyperiondev.com/support)
- We would love your **feedback** on lectures: [Feedback on Lectures](#)
- Find all the lecture **content** in you [Lecture Backpack](#) on GitHub.
- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.

# Safeguarding & Welfare

We are committed to all our students and staff feeling safe and happy; we want to make sure there is always someone you can turn to if you are worried about anything.

If you are feeling upset or unsafe, are worried about a friend, student or family member, or you feel like something isn't right, speak to our safeguarding team:



Ian Wyles  
Designated Safeguarding  
Lead



Simone Botes



Nurhaan Snyman



Rafiq Manan



Ronald Munodawafa



Tevin Pitts

Scan to report a  
safeguarding concern



or email the Designated  
Safeguarding Lead:  
Ian Wyles  
[safeguarding@hyperiondev.com](mailto:safeguarding@hyperiondev.com)

# ***Stay Safe Series:***

Mastering Online Safety One week at a Time

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While the digital world can be a wonderful place to make education and learning accessible to all, it is unfortunately also a space where harmful threats like online radicalization, extremist propaganda, phishing scams, online blackmail and hackers can flourish.

As a component of this BootCamp the ***Stay Safe Series*** will guide you through essential measures in order to protect yourself & your community from online dangers, whether they target your privacy, personal information or even attempt to manipulate your beliefs.

# Pause Before You Post:

## Managing Your Digital Presence

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- Impact on Reputation.
- Permanent Record.
- Privacy Concerns.
- Miscommunication.
- Influence on Others.
- Professional Implications.
- Mental Well-being.





# CoGrammar

## A Toolbox For Ethical Hacking

January 2024

# Learning Objectives & Outcomes

- Demonstrate the use of common penetration testing tools, such as Nmap and Metasploit, in identifying vulnerabilities.
- Analyze the results of a penetration test to identify critical vulnerabilities and their potential impact on system security.
- Perform a full penetration test, from reconnaissance through to reporting, on a test system or sandbox environment.



# Polls

Please have a look at the poll notification and select an option.

**What is a popular tool for vulnerability scanning?**

- A. Metasploit
- B. Nessus
- C. John the Ripper
- D. OpenVAS

# Polls

Please have a look at the poll notification and select an option.

**Which tool is commonly used for web application security testing?**

- A. Burp Suite
- B. Metasploit
- C. nmap
- D. Nessus

# Verbal Questioning



# Tutorial

- **Performing a test exploitation in TryHackMe.**
  - a. [Tryhackme](#)
- For this tutorial, we'll use an external environment to perform a test exploitation. We'll use the free version of the platform try hackme to create a test server which will act as out target and utilise their kali linux host environment.

# Questions and Answers



# Thank you for attending



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