



Welcome to this session: Task 13 Walkthrough

The session will start shortly...

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



Cyber Security Session Housekeeping

- 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. Moderators are going to be answering questions as the session progresses as well.
- 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

- For all **non-academic questions**, please submit a query:
www.hyperiondev.com/support
- **Report a safeguarding incident:** **www.hyperiondev.com/safeguardreporting**
- We would love your feedback on lectures: Feedback on Lectures
- 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



Rafiq Manan



Charlotte Witcher



Nurhaan Snyman



Ronald Munodawafa



Tevin Pitts

Scan to report a
safeguarding concern



or email the Designated
Safeguarding Lead:
Ian Wyles

safeguarding@hyperiondev.com

Stay Safe Series:

Mastering Online Safety One week at a Time

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.

Download with Caution: Avoiding Dangerous Files

- Use Trusted Sources Only
- Look for HTTPS
- Avoid Clicking on Pop-ups
- Scan Downloads with Antivirus
- Keep Software Updated
- Beware of Free Downloads
- Check File Extensions



Learning Objectives & Outcomes

- Execute basic commands like ls, wc, and head to navigate and manipulate files in a Linux terminal.
- Explain the purpose and usage of the demonstrated commands, including their common options and flags.
- Implement Python scripts that replicate the behavior of the selected Linux commands using appropriate modules and techniques (e.g., os, file I/O).

CoGrammar

CyberSecurity Poll

November 2024

Key Terms

- **Command Line/Terminal:** The command line, often referred to as the terminal, is a text-based interface that allows users to interact directly with their operating system by typing commands.
- **Flags:** Flags are additional options or arguments provided with commands in the terminal to modify their behavior or output. Flags typically begin with a hyphen(-) or double hyphen(--).
- **OS (Operating System):** An operating system (OS) is the foundational software that manages computer hardware and software resources, providing services for applications and enabling user interaction with the system.

Overview of Session

- Discuss some command line utilities and what they are used for.
- Emulate two or three of the commands discussed.

Commands

- **ls** – Displays information about files in the current directory.
- **pwd** – Displays the current working directory.
- **mkdir** – Creates a directory.
- **cd** – To navigate between different folders.
- **rmdir** – Removes empty directories from the directory lists.
- **cp** – Moves files from one directory to another.
- **mv** – Rename and Replace the files
- **rm** – Delete files
- **uname** – Command to get basic information about the OS
- **locate**– Find a file in the database.
- **df** – Check the details of the file system
- **wc** – Check the lines, word count, and characters in a file using different options
- **locate**– Find a file in the database.
- **touch** – Create empty files
- **ln** – Create shortcuts to other files
- **cat** – Display file contents on terminal
- **clear** – Clear terminal
- **ps**- Display the processes in terminal
- **man** – Access manual for all Linux commands
- **grep**- Search for a specific string in an output
- **echo**- Display active processes on the terminal
- **wget** – download files from the internet
- **whoami**- Create or update passwords for existing users
- **sort**- sort the file content
- **cal**- View Calendar in terminal
- **whereis** – View the exact location of any command types after this command

CoGrammar

CyberSecurity Poll

November 2024

Questions and Answers



Thank you for attending



CoGrammar



Department
for Education