CoGrammar

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: <u>Questions</u>



Cyber Security Session Housekeeping

- For all non-academic questions, please submit a query:
 www.hyperiondev.com/support
- Report a safeguarding incident: <u>www.hyperiondev.com/safeguardreporting</u>
- 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:



lan Wyles Designated Safeguarding Lead



Simone Botes

Nurhaan Snyman



Rafiq Manan



Ronald Munodawafa



Charlotte Witcher



Scan to report a safeguarding concern



or email the Designated
Safeguarding Lead:
lan 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

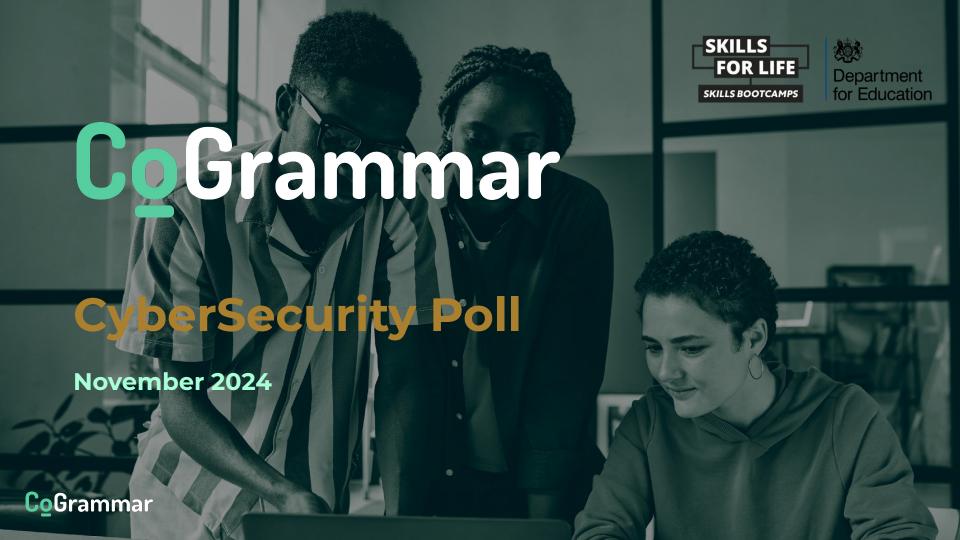




Learning Objectives & Outcomes

- Execute basic commands like Is, 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).





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

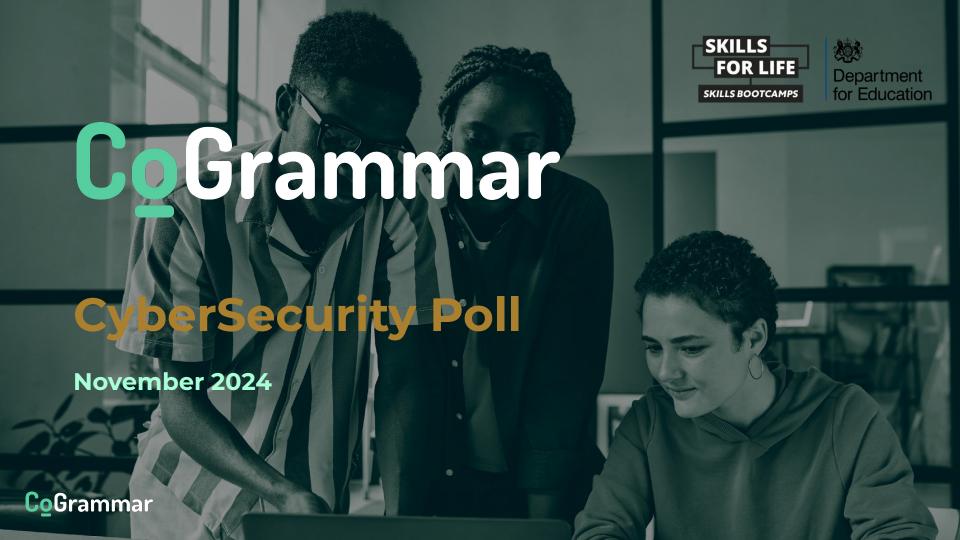
- Discuss some command line utilities and what they are used for.
- Emulate two or three of the commands discussed.



Commands

- **Is** 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
- In 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



Questions and Answers





Thank you for attending







