




Welcome to the CoGrammar

Skills Bootcamp - Task 12

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 cont.

- For all **non-academic questions**, please submit a query: 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 affected by a hearing impairment, kindly use your browser's function via 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

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

- List examples of MIME types and their respective subtypes.
- Describe the purpose of HTTP status codes in client-server communication.
- Identify the role of a virtual machine in cybersecurity and web development.
- Use tools like a web browser or command-line utilities to identify HTTP status codes for specific web requests.

Polls

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

What does MIME stand for?

- a. Multipurpose Internet Mail Extensions.
- b. Media Input Metadata Encoding.
- c. Metadata Identification and Management Endpoint.

Key Terms

- **HTTP Status Codes:** Numbers that indicate the result of a web request.
- **MIME Types:** Internet media types that indicate the nature of a file.
- **Virtual Machines:** Software that emulates a separate computer environment.

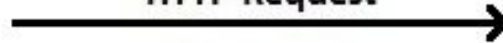
HTTP Client



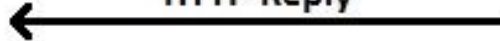
HTTP Server



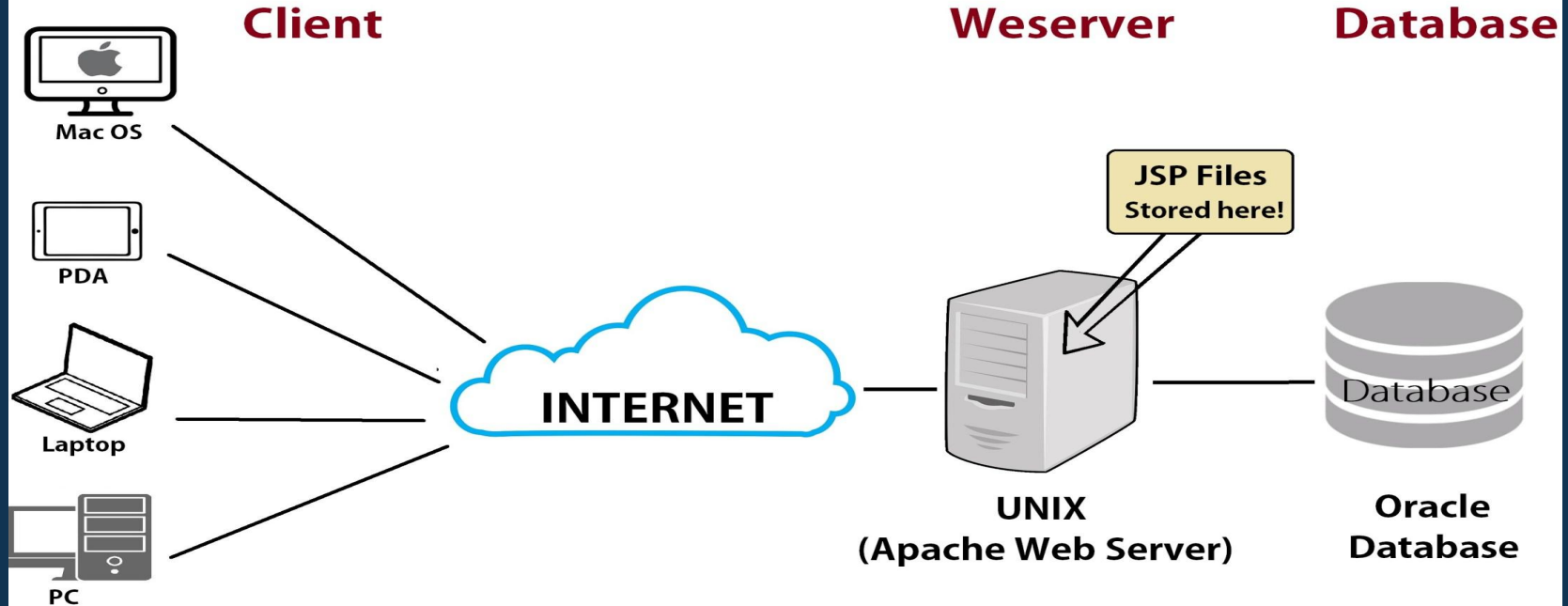
HTTP Request



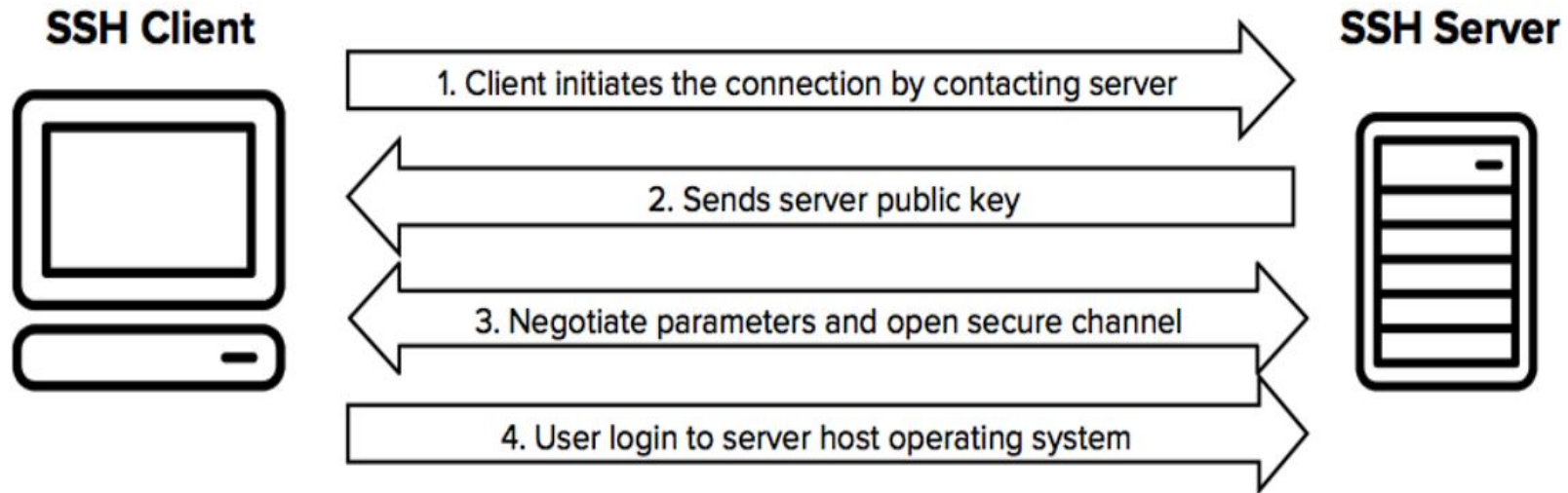
HTTP Reply



Client-Server Architecture



SSH Protocol:



CoGrammar

Skills Bootcamp - Task 12

November 2024

Task

- Explore MIME types, HTTP codes and Virtual Machines and answer questions regarding the above



Questions and Answers



Thank you for attending



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for Education

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