

Introduction to the Course

In this course, we took a look at high and low-tech tools to scout our target. We first begun with a reconnaissance overview and then we saw how to use competitive intelligence. We examined search engines and look at Google hacking. We took a look at social media and the importance of tracking online reputation. We looked at email and website footprinting and how to mirror and monitor websites. We investigated email and email headers and we saw the power of open-source intelligence tools. We took a look at some of the reconnaissance tools that include footprinting network and examining ways to see how DNS can help us in our search. We looked at tools such as ping, tracert, nslookup, and dig. And then we looked at countermeasures for footprinting and reconnaissance and then pen testing reports which should be done at the end of every exercise. This course is part of the Ethical Hacking series.

Learning objectives

- Using competitive intelligence
- Hacking with search engines
- Using email for footprinting
- Getting social
- Mirroring websites
- Using Ping, Tracert, nslookup, and dig
- Taking footprinting countermeasures
- Pen testing for footprinting

Screenshots

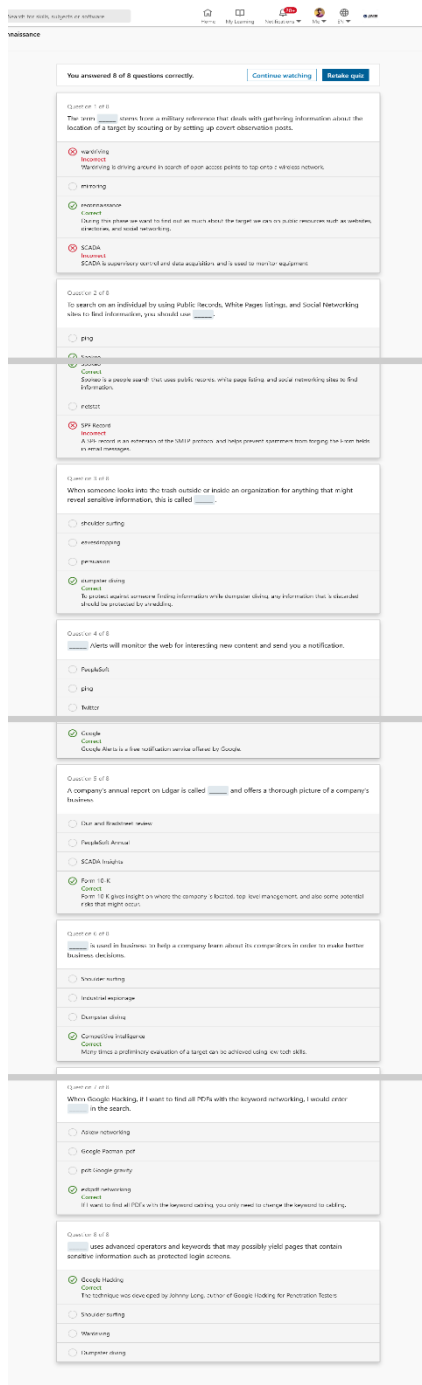


Figure: Section 01 – Reconnaissance Overview

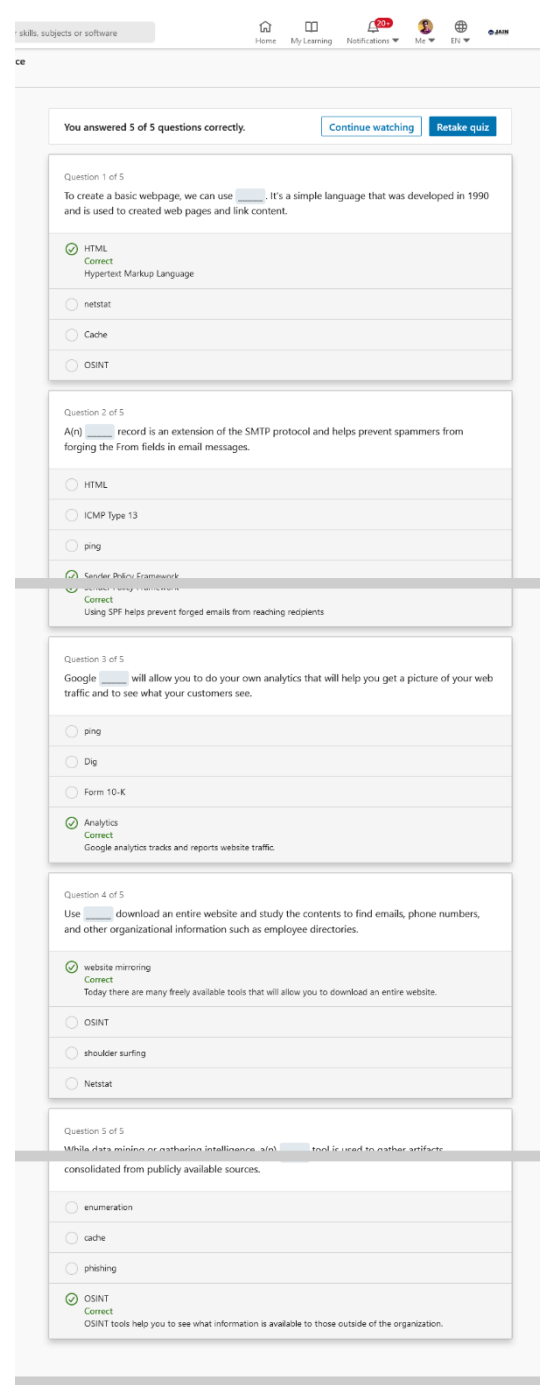


Figure: Section 02- Using email & websites

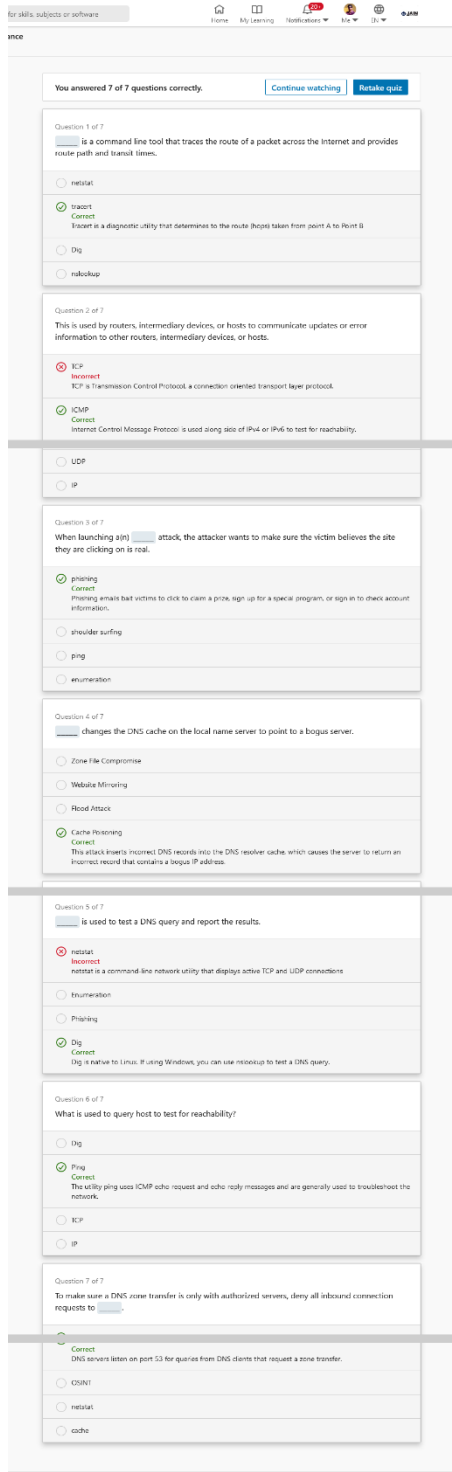


Figure: Section 03 – Discovering Reconnaissance Tools

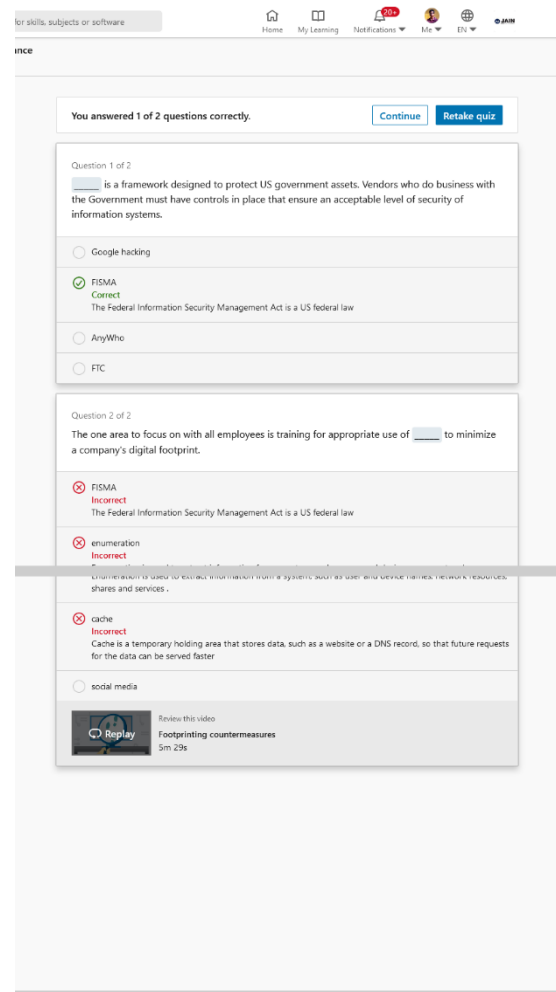


Figure: Section 04- Conclusion

Conclusion

I got provided an overview on footprinting and reconnaissance. We took a look at search engines and the power of Google hacking. We looked at social media and the importance of tracking your online reputation. We learnt about tools like Google Hacking Databases, AnyWho, Spokeo. We took a look at websites and email footprinting and how to mirror and monitor websites and looked closer at investigating email and seeing the story that email headers will tell us. We then looked at some of the reconnaissance tools to help us in our investigation, the competitive intelligence, OSINT tools like Maltego & Shodan, and how to footprint networks. We looked at utilities, such as ping, tracer, nslookup, and dig. Then we studied ways to prevent and then document our efforts. We looked at countermeasures for footprinting and reconnaissance, and then ways to compile penetration tests and the resultant reports.

Certificate

