IMMERSIVELABS

MukeshB Sundaravadivelu

Completed 129 labs earning 6980 points.

Activity Report

Date	Lab	Description	Points Earned
2023-06-05	Secure Fundamentals: The CIA Triad	Define confidentiality, integrity, and availability	20
2023-06-05	Secure Fundamentals: Attribution and Accountability	Recall the definitions of attribution and accountability	20
2023-06-05	Secure Fundamentals: Least Privileges	Be able to describe the principle of least privileges	10
2023-06-05	Secure Fundamentals: Defense in Depth	Describe the security concept of defense in depth	10
2023-06-05	Secure Fundamentals: Security Patching	Describe what a security patch is	10
2023-06-05	Secure Fundamentals: Authorisation	Describe the security concept of authorisation	10
2023-06-05	Secure Fundamentals: Authentication	Describe the security concept of authentication	10
2023-06-05	Bugbusters	Demonstrate an understanding of bug bounties and the companies that offer them	40
2023-04-21	Open Source Intelligence (OSINT): Boarding Pass	Describe what type of information a boarding pass barcode contains	100
2023-04-21	Open Source Intelligence (OSINT): Deleted Tweet	Analyze information using open source intelligence techniques	40

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2023-04-03	Platform as a Service (PaaS)	Be able to explain the advantages and disadvantages of Platform as a Service	20
2023-04-03	HTTP Status Codes	Develop knowledge of HTTP status codes	100
2023-04-03	Infrastructure as a Service (IaaS)	Describe the advantages and disadvantages of Infrastructure as a Service (IaaS).	20
2023-04-03	Software as a Service (SaaS)	Be able to describe the advantages and disadvantages of SaaS	20
2023-04-03	Compliance, Legislation, Regulation, and Standards	Describe the differences between compliance, legislation, regulation, and standards	10
2023-04-03	Cryptocurrency & Blockchain	An introduction to cryptocurrency and blockchain concepts	10
2023-04-03	Defense in Depth	Discover the principles of defense systems	20
2023-04-03	Ports	Identify how ports are used in modern networks	40
2023-04-03	Transport Protocols	Explain the core concepts of the the most common transport protocols	40
2023-04-03	Introduction to Networking: Ep.6 — Domain Name System	Summarize the fundamentals of the Domain Name System	40
2023-03-30	The Internet	Explain the history of the internet	20
2023-03-30	OSI Model	Identify the different layers of the OSI model	40
2023-03-30	Wireshark Display Filters: An Introduction	Analyze network packet captures	100
2023-03-30	Intro to Wireshark	Analyse network packet captures	100
2023-03-27	Accidental and Malicious Data Leaks	Recognize the differences between accidental leaks and malicious leaks	10

Date	Lab	Description	Points Earned
2023-03-27	Case Study: Covid-19 Cybercriminals	Identify the characteristics of Covid-19 phishing scams	10
2023-03-27	Identifying Ransomware	Recognize the tell-tale signs of ransomware	10
2023-03-27	Updates and Patches	Identify the differences between updates and patches	10
2023-03-27	Passwords	Recognize how to protect yourself and your devices with strong passwords	10
2023-03-27	Antivirus	Identify the purpose of antivirus software and its main features	10
2023-03-27	Port Identification	Match common ports to services	100
2023-03-27	Mobile Security Tips	Identify potential threats to mobile phone security	10
2023-03-27	Cookies	Recognize how cookies are used by individuals and organizations	20
2023-03-27	Backups	Recognize the importance of backups	10
2023-03-27	Multi-Factor Authentication	Recall how multi-factor authentication works	10
2023-03-27	Binary	Recall how binary functions	40
2023-03-27	Web Applications: Page Source Review	Analyse the web application source code to recognise technologies being used	200
2023-03-27	Malware	Recognize the most common forms of malware and how they can affect you	10
2023-03-26	Incident Response in the Workplace	Recall the advantages of an incident response plan	10
2023-03-26	Guidance on Remote Working	Identify the risks associated with remote working	10

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2023-03-26	Security On The Go	Recognize the security risks of using devices when away from the office	10
2023-03-26	Personal Devices in the Workplace	Recognize the risks associated with using personal devices in the workplace	10
2023-03-26	Privileged Access	Recall what privileged access is and why it's an attractive target for attackers	10
2023-03-26	Physical Security	Identify common physical security risks	10
2023-03-26	What Is Information Security?	Identify the workplace and personal security challenges that good information security practices help to solve	10
2023-03-26	Disposal of Device Information	Recognize why secure device disposal is core to an organization's information management process	10
2023-03-26	Information Security and Cybersecurity Terminology	Recall some key information security and cybersecurity terms and phrases	10
2023-03-26	Information Security – Starting at the Beginning	Recall the difference between information security and cybersecurity	10
2023-03-26	Social Engineering	Describe different social engineering attack techniques and their impacts	10
2023-03-26	Shoulder Surfing	Recognize how shoulder surfing works and the various ways it can be employed	10
2023-03-21	SQL Injection – sqlmap	Practice applying sqlmap to a database	200
2023-03-18	MongoDB: An Introduction	A basic understanding of NoSQL Databases	100
2023-03-18	Stack Overflow	Demonstrate the risk of using code found online	10
2023-03-18	SQL: An Introduction	Gain an understanding of the SQL language and queries	100
2023-03-15	CertUtil	Analyse the function of CertUtil	100

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2023-03-15	Background Intelligent Transfer Service (BITS)	Gain an understanding of BITS and how it can be abused	100
2023-03-14	Windows Sysmon	Analyse and investigate system logs	100
2023-03-14	Process Explorer	Use Process Explorer effectively	100
2023-03-14	Scheduled Tasks	Demonstrate how to navigate information in Windows Scheduled Tasks	100
2023-03-13	Windows Sysinternals	An overview of the Sysinternals suite	40
2023-03-13	Windows Registry	Evaluate registry values	100
2023-03-12	Rogue USB Devices	Recall how rogue USB devices can be used for malicious purposes	10
2023-03-12	Why Hackers Hack	Recognize some of the methods used by hackers	10
2023-03-12	Virtual Card Numbers	Identify the different types of virtual card numbers	10
2023-03-12	PowerShell Empire	Demonstrate the ability to configure and run various PowerShell Empire functions	100
2023-03-12	Geolocation	Recognize the differences between device-based and server-based geolocation tracking	10
2023-03-12	Identity Theft	Recognize the ways to prevent identity theft and the warning signs to look out for	10
2023-03-12	PowerShell: Working with files	Practice reading from and writing to files in PowerShell	100
2023-03-12	PowerShell: Getting Started	Practice using the PowerShell cmdlets	100
2023-03-12	Windows File Permissions	Analyze Windows file permissions	100

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2023-03-11	Introduction to Networking: Ep.5 — IP Addresses	Recognize an IP address	40
2023-03-11	Firewalls and VPNs	Recognize the benefits of firewalls and VPNs	10
2023-03-11	Consequences and Impacts of Cyberattacks	Recognize the differences between the consequences and impacts of cyberattacks	10
2023-03-11	Information Security	Recognize the importance of information security for individuals and organizations	10
2023-03-11	Why Information Security Is Everyone's Business	Recognize the importance of information security	10
2023-03-11	Fake News	Recognize the characteristics of fake news	10
2023-03-11	Containers	Describe containers and their advantages and disadvantages	20
2023-03-11	Keylogging	Recognize what keyloggers are	10
2023-03-11	Darknets	Recognize how darknets operate on the internet	10
2023-03-11	File Command	Using file to identify true information about unusual looking files	100
2023-03-11	Linux CLI: Ep.12 – Using Find	Recognize how the find command works and the filters and arguments that go with it	200
2023-03-11	Safer Browsing	Recall how to protect yourself and your privacy as you browse the web	10
2023-03-11	Port Bingo - Easy Mode	Demonstration of critical thinking	100
2023-03-11	Linux CLI: Ep. 10 – Using Sudo	Identify different user privileges in Linux	100
2023-03-11	Linux CLI: Ep. 14 – Using Screen	Be able to explain screen's CLI usage	100

Date	Lab	Description	Points Earned
2023-03-11	Linux CLI: Ep. 8 – Manipulating Text	Know how to modify text within files using basic command line tools	200
2023-03-11	Linux CLI: Ep. 13 – Searching and Sorting	Know how to employ searching techniques to find patterns in files	100
2023-03-11	Linux CLI: Ep. 16 – Combining Commands	Identify the different ways of combining commands on the terminal	200
2023-03-11	Phishing Emails	Recognize the main characteristics of phishing emails	10
2023-03-11	Linux CLI: Ep. 9 – Stream Redirection	Know how data can be manipulated via the terminal	100
2023-03-11	Linux CLI: Ep. 15 – Generating File Hashes	Be able to recognize file hashes	100
2023-03-11	Linux CLI: Ep. 11 – Using SSH and SCP	Recall what the SSH protocol is	100
2023-03-11	Hashing – MD5	Apply the MD5 hashing algorithm to strings	100
2023-03-11	Hashing – SHA-1	Apply the SHA1 hashing algorithm to strings	100
2023-03-09	Linux CLI: Ep.1 – Introduction to the Linux Command Line Interface	Recall Linux command line fundamentals	40
2023-03-09	Linux CLI: Ep. 2 – Getting Started with the Terminal	Be able to recall fundamental concepts of the Linux terminal	100
2023-03-09	Linux CLI: Ep. 5 – File Permissions	Be able to read Linux file permissions	100
2023-03-09	Linux CLI: Ep. 6 – Editing Files	Be able to recall some common Linux command line text editors	100
2023-03-09	Linux CLI: Ep. 7 – Using wc	Be able to count elements in a file using the wc tool	200
2023-03-09	Linux CLI: Ep. 4 – Changing Things	Know the five Linux CLI commands explored in the lab and be able to describe their basic usage	100

Date	Lab	Description	Points Earned
2023-03-09	Linux CLI: Ep. 3 – Moving Around	Have the ability to navigate through directories on the command line	100
2023-03-07	Introduction to Encryption	Identify different types of encryption algorithms	100
2023-03-07	Privacy	Identify what privacy is and why it needs protecting	10
2023-03-07	The Bombe Machine	Recognize how the Bombe machine works	200
2023-03-07	The Typex Machine	Recognize how a Typex machine works	200
2023-03-07	Security Champions	Underline what a security champion is and their purpose	10
2023-03-07	The Enigma Machine	Recall how the Enigma machine works	200
2023-03-07	Spiderfoot	Scan and analyze data using specialty OSINT tools	40
2023-03-07	Encryption Tools: CyberChef — Recipes	Recall how CyberChef recipes work	40
2023-03-07	Encryption Tools: CyberChef	Recall how CyberChef functions	40
2023-03-07	Caesar Ciphers	Recall how Caesar cipher encoding works	40
2023-03-07	Cyber Kill Chain	Recognize the purpose of the cyber kill chain	10
2023-02-08	Nmap: Ep.1 – Basic Scanning	Demonstrate basic network scanning techniques	200
2023-02-07	WannaCry (ARCHIVED)	Safely observe WannaCry ransomware	100
2023-02-06	The Importance of Information Security and Cybersecurity	Describe a simulated example of a breach and recall its emotional impact	10

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2023-02-06	History of Information Security	Recall some of the key moments for information security throughout history	10
2023-02-06	Who are the Hackers?	Recognize the different types of hackers	10
2023-02-06	GDPR Aware (ARCHIVED)	Explain the key details and impact of GDPR	10
2023-02-02	Online anonymity	Describe how to increase your online anonymity	40
2023-02-02	Open Source Intelligence (OSINT): Social Media	Demonstrate the use of OSINT techniques to identify useful information from social media platforms	40
2023-02-01	EXIF	Knowledge in the various sorts of data that is stored in images	40
2023-01-31	Search Engines	Recognise the difference between the surface web, deep web, and dark web	20
2023-01-31	Robots.txt	Identify resources in robots.txt files	40
2023-01-31	Default Credentials	Knowledge of default credentials	20
2023-01-31	Tor	Describe how Tor works	40
2023-01-31	Investigator Operations Security (OPSEC)	Source online information relevant to an investigation	40
2023-01-27	Cached and Archived Websites	Interpret and analyse information collected from web archives	20
2023-01-27	Shodan.io	Gain an understanding of the Shodan.io search engine and how to run queries	20
2023-01-27	Social Media and Privacy	Recognize the perils of having too much information on social media	10

About Immersive Labs

Immersive Labs is the world's first fully interactive, on-demand, and gamified cyber skills platform. Our technology delivers challenge-based assessments and upskilling exercises which are developed by cyber experts with access to the latest threat intelligence. Our unique approach engages users of every level, so all employees can be equipped with critical skills and practical experience in real time.