**What you'll do**

* **Create an account on HackThisSite and complete all 11 levels of the "Basic" web challenge.**
* **Document a Penetration Testing Report including an executive summary, scope, vulnerability descriptions, key findings, and security recommendations for each level.**
* **Apply the knowledge gained from the challenge to real-world scenarios and improve penetration testing skills.**

**Here is the background information on your task**

**As a cybers ecurity generalist at CommBank, it's important to have a basic understanding of penetration testing. Penetration testing is a way to check the security of computer systems and networks by simulating an attack. This helps identify weaknesses in the system and evaluate the effectiveness of security measures. By regularly doing this, organisations can find and fix potential security problems before they can be exploited by bad people.**

**In this task, you will be completing  the “Basic” web challenge from HackThisSite.org, which is an online platform that provides a safe and legal environment for students like you to improve their cyber security skills through a variety of challenges.**

**The challenge is divided into 11 levels and each level ranges from easy to difficult. The purpose of this challenge is to test your skills and knowledge in identifying vulnerabilities and exploiting them. By completing this challenge, you will gain a better understanding of how to identify and exploit vulnerabilities in web applications. Additionally, you will also learn how to apply this knowledge to real-world scenarios, which will help you improve your penetration testing skills. How exciting! Look at it like a game that helps you learn about web security.**

**After completing the challenge, you will need to create a pentest report detailing what you found and learnt, and give recommendations for how to better secure the web application. A penetration testing report is like a summary of the results of a security test. It shows any weaknesses or problems that were found during the test and suggests ways to fix them. This report is important because it helps organisations understand where they need to improve their security and how to do it. It also helps them comply with laws and regulations related to security. In simple terms, a pentest report is like a report card for a company's security and helps them pass security inspections. By having a good security posture, organisations can prevent data breaches, protect sensitive information, and maintain compliance with regulations and industry standards.**

**Here is your task**

To complete this task:

1. Go to [HackThisSite](https://www.hackthissite.org/) and create an account.
2. On the left-hand side, Click on the “Challenges” section and select “Basic” (or cli
3. ck [here](https://www.hackthissite.org/missions/basic/)).
4. Complete all levels from Basic Level 1 to 11.
5. After completing all levels, document a Penetration Testing Report that includes an executive summary, scope of web application tested, vulnerability description and key findings for each level, as well as recommendations on how to better secure the web application.
6. Additional resources are provided in the Resources for help, which will be especially useful if you have no prior experience with pentesting.

It's important to note that this is a legal and safe environment for individuals to improve their cyber security skills, and all activities should be done in accordance with the website's terms of service and ethical guidelines.

**Here are some resources to help you**

* [How to View the HTML Source Code of a Web Page (computerhope.com)](https://www.computerhope.com/issues/ch000746.htm) - Hint for Level 1, 2 & 3
* [How to view source code – ViewSourcePage.com](https://viewsourcepage.com/how-to-view-source-code/) - Hint for Level 1, 2 & 3
* [How to Edit Any Web Page in Chrome (or Any Browser) (howtogeek.com)](https://www.howtogeek.com/442634/how-to-edit-any-web-page-right-in-chrome-or-any-browser/) - Hint for Level 4 & 5
* [ASCII Table - ASCII Character Codes, HTML, Octal, Hex, Decimal](https://www.asciitable.com/) - Hint for Level 6.
* [Linux and Unix cal command tutorial with examples | George Ornbo (shapeshed.com)](https://shapeshed.com/unix-cal/) - Hint for Level 7
* [cal command in Linux with Examples - GeeksforGeeks](https://www.geeksforgeeks.org/cal-command-in-linux-with-examples/) - Hint for Level 7
* [Linux Commands Cheat Sheet | Red Hat Developer](https://developers.redhat.com/cheat-sheets/linux-commands-cheat-sheet-old) - Hint for Level 7
* [Server-Side Includes (SSI) Injection | OWASP Foundation](https://owasp.org/www-community/attacks/Server-Side_Includes_(SSI)_Injection) - Hint for Level 8 & 9
* [View, edit, and delete cookies - Chrome Developers](https://developer.chrome.com/docs/devtools/storage/cookies/) - Hint for Level 10
* [Apache HTTP Server Tutorial: .htaccess files - Apache HTTP Server Version 2.4](https://httpd.apache.org/docs/2.4/howto/htaccess.html) - Hint for Level 11

Your Submission

Want to give it another go? Click replace file to try again.

docx

pentesting.docx

vnd.openxmlformats-officedocument.wordprocessingml.document | 0.02mb

Submission complete, great work!