Week 5/6 – Capture the Flag

Lab Answer Sheet

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| --- |
| Your Full Name & PicoCTF UserID Lab Section#: |
| Shanielle Hall shani4255 063 |

|  |
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| Your Partners' Names & PicoCTF UserIDs |
| Hatice Senliler hbs45 |
| Cole Jackson cwj36 |

**Use this space to keep an activity log of your efforts to solve various types of Capture the Flag Challenges.**

**When instructed, document your efforts to solve Challenge 189 here:**

**Challenge:** Magikarp Ground Mission

**Category:** General Skills

**Points:** 30

**Started:** *(10/25/2024 & 11:22)*

**Ended:** *(10/25/2024 & 11:40)*

**Status:** *Solved*

**Summary: As a group, we reviewed the instructions, then worked through the directory to find the three flags and helped each other with any questions or mistakes that we had. After finding the first flag, we couldn’t use nano to open the file, but we found out online that we could use the cat command. After finding the three flags, we submitted them.**

**For each of the categories on the following pages, copy and paste the template below and record detailed notes of your activities for challenges in each of the categories. Record all of your efforts, even if you do not successfully solve a problem.**

***Your grade for this is based on your teamwork and the quality of your documentation, not the number of challenges you solve.***

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**General**

**Challenge:** Wave the Flag

**Category:** General

**Points:**

**Started:** *(10/25/2024 & 11:50)*

**Ended:** *(10/25/2024 & 11:55)*

**Status:** *Solved*

**Summary: We first downloaded the file, copied it into tux, and using commands such as chmod and -h, we found the flag.**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**(copy and paste more as needed)**

**Forensics**

**Challenge:** Glory of the Garden

**Category:** Forensics

**Points:**

**Started:** *(10/25/2024 & 11:56)*

**Ended:** *(10/25/2024 & 12:06)*

**Status:** *Solved*

**Summary: We downloaded the file, and then used the command strings to open the garden.jpg file.**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**(copy and paste more as needed)**

**Web Exploitation**

**Challenge:** Insp3ct0r

**Category:** Web Exploitation

**Points:**

**Started:** *(10/25/2024 & 12:10)*

**Ended:** *(10/25/2024 & 12:15)*

**Status:** *Solved*

**Summary: We inspected the web page to find the three parts of the flag.**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**(copy and paste more as needed)**

**Cryptography**

**Challenge:** Mod 26

**Category:** Cryptography

**Points:**

**Started:** *(10/25/2024 & 12:18)*

**Ended:** *(10/25/2024 & 12:22)*

**Status:** *Solved*

**Summary: We copied the ciphertext and used an online translator to get the flag for submission.**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**(copy and paste more as needed)**

**Other Categories**

**Challenge:** heap 0

**Category:** Binary Exploitation

**Points:**

**Started:** *(10/25/2024 & 12:25)*

**Ended:** *(10/25/2024 & 12:39)*

**Status:** *Solved*

**Summary: We downloaded the file to tux, then overloaded the buffer variable using a text larger than 32 bits. Then we printed the flag.**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**Challenge:**

**Category:**

**Points:**

**Started:** *(list date & time)*

**Ended:** *(list date & time)*

**Status:** *Solved / Surrendered)*

**Summary:**

**(copy and paste more as needed)**

**At the end of today’s lab, paste a screenshot below of your user profile showing your username, your Gym Score and the number of challenges you have solved so far.**

