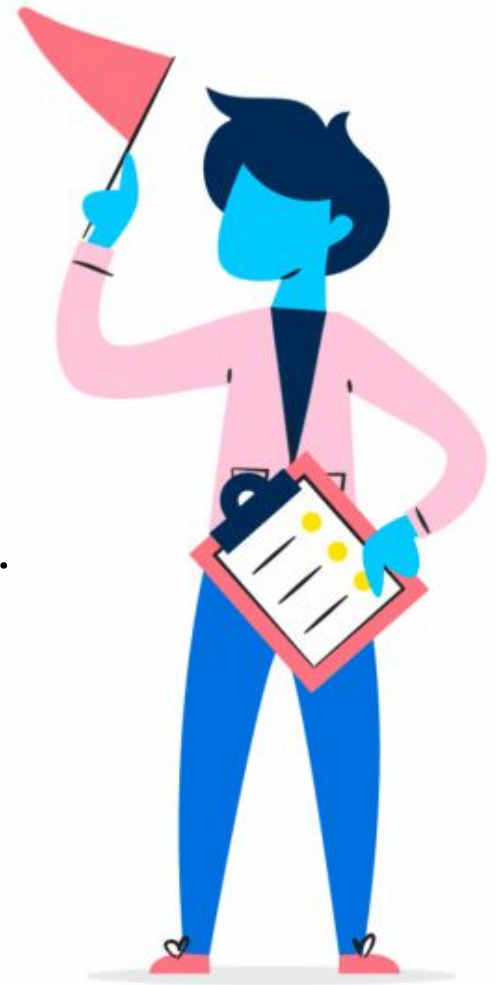# CMD Capture the Flag

Cybersecurity
Lesson Plan

Today, we will compete in a **Capture the Flag (CTF)** activity that will test command line skills.

Note: Today's CTF instructions will be different from previous CTFs.

Instructions

Today's CTF instructions will be different from previous CTFs.

This game is organized by levels. Each level is found inside a password protected compressed directory with the same name.

- For example, the level-01.zip directory contains all the instructions for Level One.

- Inside each level's directory, you will find an instructions file that will give you a new challenge along with any files needed to complete the challenge.

Instructions

Today's CTF instructions will be different from previous CTFs.

When you complete a level, you will find a password that is a string with underscores: `this_is_a_password`.

- Once you have the password, you will need to make a MD5 checksum of the string.

- Use the md5 checksum as the final password to unzip the directory for the next level.

Instructions

Important Note:

This game will require you to extract data from different files.

- When you are working on these challenges, do not modify the original file. Instead, **create new files containing the modified data**.

- As long as you **don't overwrite the original file**, you can keep trying until you have the answer.

- However, if you overwrite the original file and damage the data, you may get stuck and have to restart the activity.

CTF Rules

- The entire game contents can be found on you Ubuntu machine at /cmdCTF.

- Class notes, man pages, and online materials are all fair game. You can also collaborate!

- Instructors and TAs can assist with technical CTF issues, but won't be helping you to answer any questions.

- Good luck! And have fun!

Let's get started.

2 hours 20 minutes

[Click to start timer](#)

Time's Up! Let's Review.