WHAT IS A CTF?

CTFs are hacking games

A CTF (**Capture The Flag**) is a (generally) competitive **hacking game.**

The goal is to find a specific string called **flag** and submit it

A flag usually looks like something similar to this → **ptm{th1s_1s_4_fl4g}**

What do you usually do in a CTF?

During a CTF you are required to **exploit** a vulnerability, solve logic puzzles or **understand** what a process is doing and what to do in order to **abuse** it.

There are 2 main types of CTFs
- Jeopardy
- Attack/Defense

How jeopardy CTFs work

Jeopardy style CTFs are probably the **most common** type.

During this kind of CTF you are given a set of **challenges** (usually divided by category and difficulty) to solve in a given amount of time.

In this type of there is **no interaction** between different teams.

The main categories are:

- rev
- pwn
- Cryptography
- Web
- Misc

How Attack/Defense CTFs work

During A/D CTFs, every team has a **machine** with its own services, which are the same for everyone.

Every machine is connected to the same **network** and exposes its services.

Players have to **find vulnerabilities** in these services, exploit them to **attack** others and patch the services to **defend** themselves from the attacks.
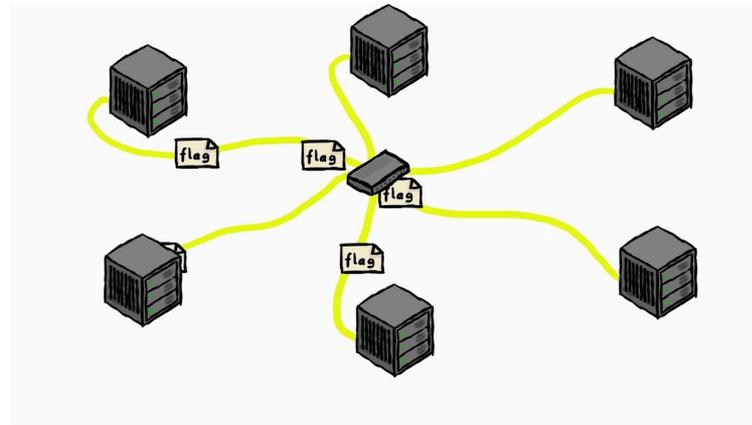
Here's an example of a challenge

This challenge is from the **Beginner CTF 2021**
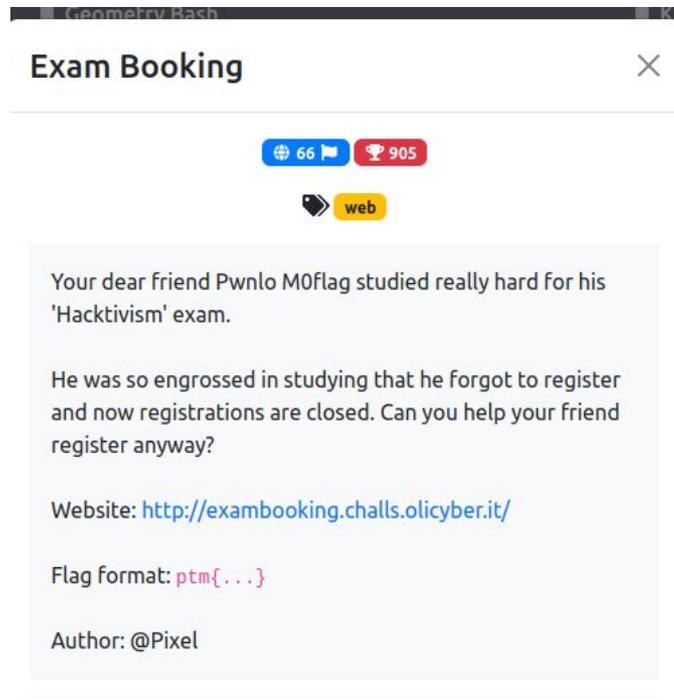
http://exambooking.challs.olicyber.it/

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Your dear friend Pwnlo M0flag studied really hard for his 'Hacktivism' exam.

He was so engrossed in studying that he forgot to register and now registrations are closed. Can you help your friend register anyway?

Website: http://exambooking.challs.olicyber.it/

Flag format: ptm{...}

Author: @Pixel

Useful ctf sites

- https://training.olicyber.it/
- https://picoctf.org/
- https://overthewire.org/wargames/
- https://cryptohack.org/
- https://portswigger.net/web-security
- https://pwn.college/
- http://pwnable.kr/
- https://247ctf.com/
- https://tryhackme.com/
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