

# CTF Showdown

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# Question!

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# What is a CTF?

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- A Capture The Flag (CTF) is a popular type of cybersecurity contest where participants solve challenges to retrieve hidden pieces of data known as “flags.”
- Flags can be found by exploiting vulnerabilities, analyzing code, or solving cryptographic puzzles.
- CTFs are designed to test and improve participants' hacking skills in a legal and controlled environment.
- They are commonly used in cybersecurity education, conferences, and even recruitment for security roles.



# Formats



CTFs generally come in two formats:

## Attack-Defense CTF

In this format, teams protect their own systems while trying to attack and capture flags from other teams' systems. It requires both offensive and defensive security skills.

## Jeopardy-Style CTF

In this format, participants solve standalone challenges in various categories like web exploitation, cryptography, reverse engineering, or forensics. Each challenge awards points based on difficulty, and the team or individual with the highest score at the end wins.

# Categories in CTF

- Web Exploitation
- Reverse Engineering
- Cryptography
- Forensics
- Steganography
- Miscellaneous
- And many more...



# Tips for Success



- Hidden comments in the HTML source
- Explore URLs
- Inspect Elements
- Analyze CSS Files
- Look at JavaScript Files
- Test with Different User Agents
- Check for Directory Listings
- Try Basic Authentication
- Explore Hidden Form Fields
- Play with Cookies
- Look for Robots.txt
- Look for Sitemap.xml
- Decode Base64, Hex, or URL Encoded Data
- Analyze files Metadata

Here are few...



# Instructions to Play



## Access the Challenge:

- Scan the QR code or visit the URL.
- You'll be directed to the CTF challenges page.

## Explore the App:

- Use your browser and explore different pages to uncover hints hidden on the page.

## Follow the Clues:

- Look for Hints in the HTML pages that guide you to certain paths or resources. These might contain encoded messages or links to files containing secret information.

## Find/Decode the Flag:

- Use the clues provided to reach hidden paths or files in the app.
- Some of these resources will contain encoded text that you need to decode.
- Decode the text to reveal the flag.

## Submit the Flag:

- Once you find the flag, go to the Flag Submission Page provided on the CTF site.
- Enter the flag into the submission box, and if correct, your name will be added to the leaderboard.

# Questions?



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<https://tmpctf-b6110a06b8c2.herokuapp.com/challenges>

**Reminder!**

**You must be a registered user to submit  
the flags.**



Thank you

