



# WORKSHOP



CTF 451

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**CTF 451**

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**LOGIN AT 172.16.16.84:4000/LOGIN**

**Email: <your-email>**

**Password: <your-email>**

THOSE WHO ARE FACING ISSUES, CALL FOR HELP!



# INTRODUCTION TO CAPTURE THE FLAG

- Searching for a Text.
- Text is enclosed in a format of  
**451{xxxxxxxx}**
- Text could be anywhere inside  
the given premises.



**CHALLENGE**



# BASIC SEARCHING TECHNIQUES

- Scan with open eyes
- Ctrl + F
- See Web source code (Ctrl + U)
- Open the file with notepad
- Use these all together.



**CHALLENGE**



## ENCODINGS & NUMBER SYSTEMS

- Base64 - Encoding technique.
- Hexadecimal - Number System
- Binary - Number System

Website: [Base64Encode](#) & [RapidTables](#)



**CHALLENGE**



# MISCELLANEOUS TECHNIQUES

- String Reversing
- Mirroring of Image or Text
- File extensions - Do unhide them in windows.

Resource: Google search to find them!



**CHALLENGE**

# TIPS FOR CTF

## USING AI TOOLS FOR HELP

If chatGPT can help you, then do not hesitate to use it. Maximize its features to get full potential.

## ONLINE TOOLS

Many online tools such as Google Lens, Reversing tools, Mirrorings and more ...

# TIPS FOR CTF

KEEP AN OPEN EYE, BE AN  
OBSERVER

Oberserving Skills

PAY ATTENTION TO HINTS

Critical Thinking

PITFALLS / FALSE  
POSITIVES

Dicipline, Consistency.

LOOK FOR ODDS

Hunt for unusual activities

LANGUAGE LEARNING APPS

Language assessment



TEAM  
COMPETITION  
TOMORROW

# [ 10 CHALLENGES ]

## DECIDE YOUR TEAMS (3 PERSON MAX)

**Team Name:** Flag Hunters

**Player 1 (Caption):** Fahad

**Player 2:** Imtiaz

**Player 3:** Junaid

PRIZES WOULD BE DISTRIBUTED AMONG TWO WINNER TEAMS



# RULES

- No flag sharing.
- Only registered teams can play.
- Solo person is not allowed to play.
- No attacks on infra.

Management has full right to disqualify  
those who do not abide by rules.

# GUTDEUTNES

- Number Decay System.
- Random participants for public solutions.
- 2 hours, 10 challenges, 3 players per team.

**CAPTAINS ARE  
REQUESTED TO  
INTRODUCE THEIR  
TEAMS MEMBERS  
ON THE GROUP**



**HAPPY  
HUNTING!**