



# Demonstration



# Practical Demonstration

## Authorization & Scope: Conceptual and Role-play

Permission, Scope, Objective

Before *any* penetration testing:

**Permission**

**Scope**

**Objective**

**Objective:** feel the difference between ethical and illegal hacking without touching a tool.



# Demonstration

**Step 1: Pick two students**

**Student A** → *Organization Owner*

**Student B** → *Ethical Hacker*

Me as an *Instructor / Moderator*


“No laptops. No tools. This is how hacking STARTS in real life.”




# Role-Play Script

## Scene 1:

 **Ethical Hacker (Student B)** says: “I found vulnerabilities in your website. I tested your login system.”

 **Organization Owner (Student A)** replies: “Did I give you permission to test my system?”

 **Ethical Hacker:** “No, but I did it to help you.”

*Is this ethical hacking or illegal hacking?*

**No Permission (Illegal)**

**No permission, Unauthorized access. This is ILLEGAL hacking**

**“Good intention does NOT make hacking legal.”**



# Role-Play Script

## Scene 2:

 **Ethical Hacker:** “Can I test your website for security issues?”

 **Organization Owner:** “Yes, you can test.”

 **Ethical Hacker:** “I also tested your database and employee emails.”

 **Organization Owner:** “I never allowed that!”

*Ethical or illegal?*

**Permission but No Scope (Still Wrong)**

Permission but **Scope violated**

Access beyond allowed systems = **violation**

“Even ethical hackers must stay inside boundaries.”



# Role-Play Script

## Scene 3:

 **Ethical Hacker:** “I want written permission to test:

- Only the website.
- Only login and payment pages
- For 5 days
- No data deletion”

 **Organization Owner:** “Approved.”

 **Ethical Hacker:** “My objective is:

- Find vulnerabilities
- Report them
- Not exploit users”



# Role-Play Script

**Scene 3:**

*Ethical or illegal?*

**Answer:**

Permission (ok)

Scope (ok)

Objective (ok)

**Proper Authorization & Scope (Ethical)**

**This is ETHICAL HACKING**



| Term          | Meaning                     |
|---------------|-----------------------------|
| Permission    | Legal approval to test      |
| Scope         | What systems are allowed    |
| Objective     | What is the goal of testing |
| Authorization | Written agreement           |
| Out of scope  | Illegal even for hackers    |





# Thankyou