



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