INTRODUCTION

❖Presented by :

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CONTENT

- Ethical hacking
- Who are hackers
- Types of hacker
- Hacking process
- Difference between hacker and cracker
- Why do we need ethical hacking
- Required skills of an ethical hacking
- Why do hacker hack
- Conclusion

Ethical hacking :

- Independent computer security professionals breaking into the computer systems neither damaged target systems nor steal information. Evaluate target system security and report back to owners about the bugs found .

Who are hackers ?

- A person who enjoys learning detail of programming language or system. A person who enjoys actually doing the programming rather than just theorizing about it. A person capable of appreciating someone else's hacking. A person who picks up programming quickly. A person who is an expert at a particular programming language or system

Types of hacker

❖Black hat hacker

❖White hat hacker

❖Grey hat hacker

TYPES OF HACKERS:
White Hat vs. Black Hat & Every Shade in Between

EXPLANATION:

- **BLACK HAT HACKER** :

A black hat hacker or cracker are individuals with extraordinary computing skills , resorting to malicious or destructive activities. That is black hat hackers use there knowledge and skills for there own personal gain probably hurting others

- **WHITE HAT HACKER :**

white hat hackers are those individuals professing hacker SKILLS AND using them for defensive purposes. This means that the white hat hackers use there knowledge and skills for there good of other and for common good.

- **GREY HAT HACKERS :**

These are individuals who work both offensively and defensively at various time. We cannot predict there behaviour sometimes they use their skills for the common good while in some other times he uses them for there personal gains.

Hacking process

- Foot printing
- Scanning
- Gaining access
- Maintaining access

Foot printing :

- Who is lookup
- NS lookup
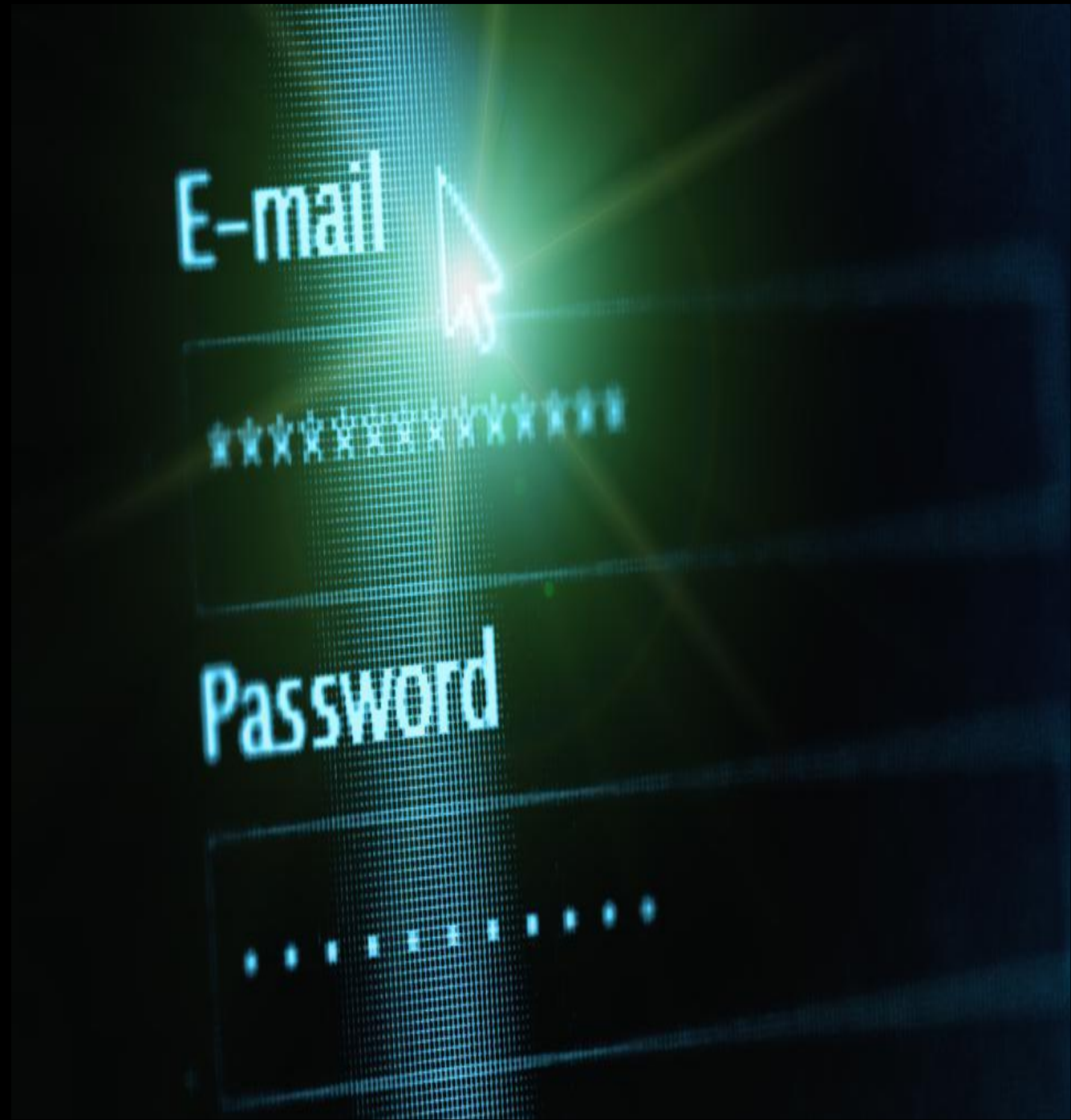- IP lookup

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SCANNING :

- port scanning
- network scanning
- finger printing
- fire walking

GAINING ACCESS :

- Password attack
- Social engineering
- Viruses

maintaining access :

- Os backdoors
- Trojans
- Clears tracks

Why do we need ethical hacking :

- The prime purpose of ethical hacking is to prevent sensitive data from falling into enemy hands. It safeguards your company from blackmail by those willing to exploit the vulnerabilities via real words testing , you can enhance your digital network security and prevents security breaches.

Conclusion:

- In the proceeding sections we saw the methodology of hacking, why should we aware of hacking and some tools which a hacker may use.

- Now we can see what we can do against hacking the first thing we should is to keep ourselves updated about those software's we and using for official and reliable sources . Educated the employees and the users against black hat hacking