Ethical Hacking

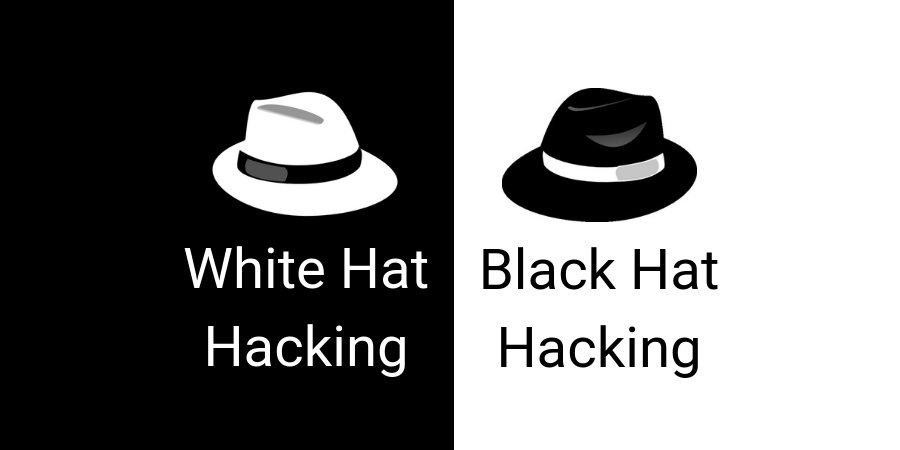
* *Introduction*

Ethical hacking involves an authorized attempt to gain unauthorized access to a computer system, application, or data. Carrying out an ethical hack involves duplicating strategies and actions of malicious attackers. This practice helps to identify security vulnerabilities which can then be resolved before a malicious attacker has the opportunity to exploit them.

* *Type Of Ethical Hacking*

These are various types of hackers:

* White Hat Hackers (Cyber-Security Hacker)
* Black Hat Hackers (Cracker)
* Gray Hat Hackers (Both)
* Blue Hat hackers
* Green Hat Hackers
* Red Hat Hackers.

*Mainly Type:*

Mainly Two Type of Ethical Hacking:

* White Hat Hackers (Cyber-Security Hacker)
* Black Hat Hackers (Cracker)

1. **White Hat Hackers**

***White hat hackers seek permission from governments or companies to perform attacks on systems in order to identify weaknesses and loopholes.***

***Their objective is to discover these vulnerabilities, fix them, and strengthen their systems so that black hat hackers cannot exploit them later.***

* ***In ethical hacking, there are various fields of expertise, such as:***
* ***Web application hacking***
* ***System hacking***
* ***Web server hacking***
* ***Wireless network hacking***
* ***Social engineering***
* ***Complete high school.***
* ***Obtain a Certified Ethical Hacker (CEH) certification.***
* ***Gain proficiency in programming languages like HTML, JavaScript, SQL, Python, and C/C++.***
* ***After that, you may consider pursuing the following courses in the field of ethical hacking:***
* ***Computer Hacking Forensic Investigator (CHFI)***
* ***Offensive Security Certified Professional (OSCP)***
* ***Offensive Security Certified Expert (OSCE)***
* ***Certified Information Security Manager (CISM)***
* ***Certified Vulnerability Assessor (CVA)***
* ***Certified Professional Ethical Hacker (CPEN)***
* ***Certified Penetration Testing Engineer (CPTE)***
* ***Offensive Security Wireless Professional (OSWP)***

1. **Black Hat Hacker**

**Black hat hackers are referred to as unauthorized hackers who enter a company's data without permission.**

* *Career Benefit of Ethical Hacker*

In this entire process, it may take around 3 to 4 years, and there will be associated costs of approximately 3 to 4 lakhs. When it comes to salaries, it depends on the number of certifications and experience you possess. For a fresher, the salary can range from 6 to 8 lakhs per month, while an experienced ethical hacker can earn a salary of 25 to 30 lakhs per month.