Cyber Forensics

Agenda

What is **Cyber Forensics**?

Need for **Cyber Forensics**

Cyber Forensics process

Types of **Cyber Forensics**

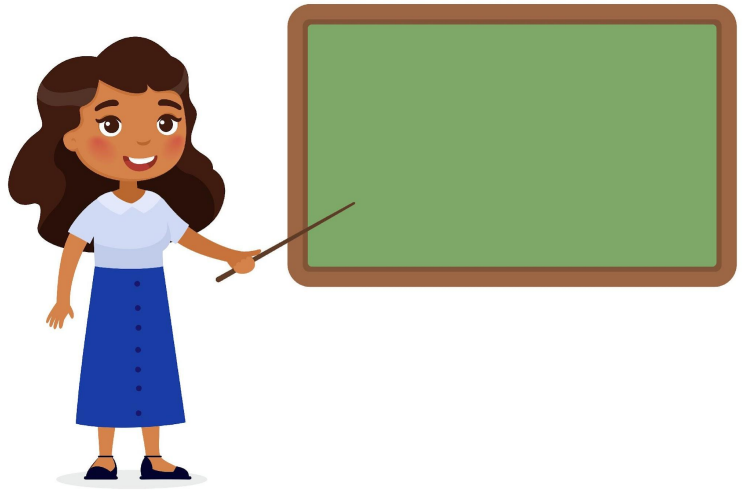
Cyber Forensics Vs **Cyber Security**

Skillsets required

Cyber Forensics investigator

Cyber Forensics tools

Challenges



What is Cyber Forensics?

What is Cyber Forensics?

Cyber Forensics is the process of investigating and analyzing digital data which is gathered as evidence in criminal cases.

Need for Cyber Forensics

Need for Cyber Forensics

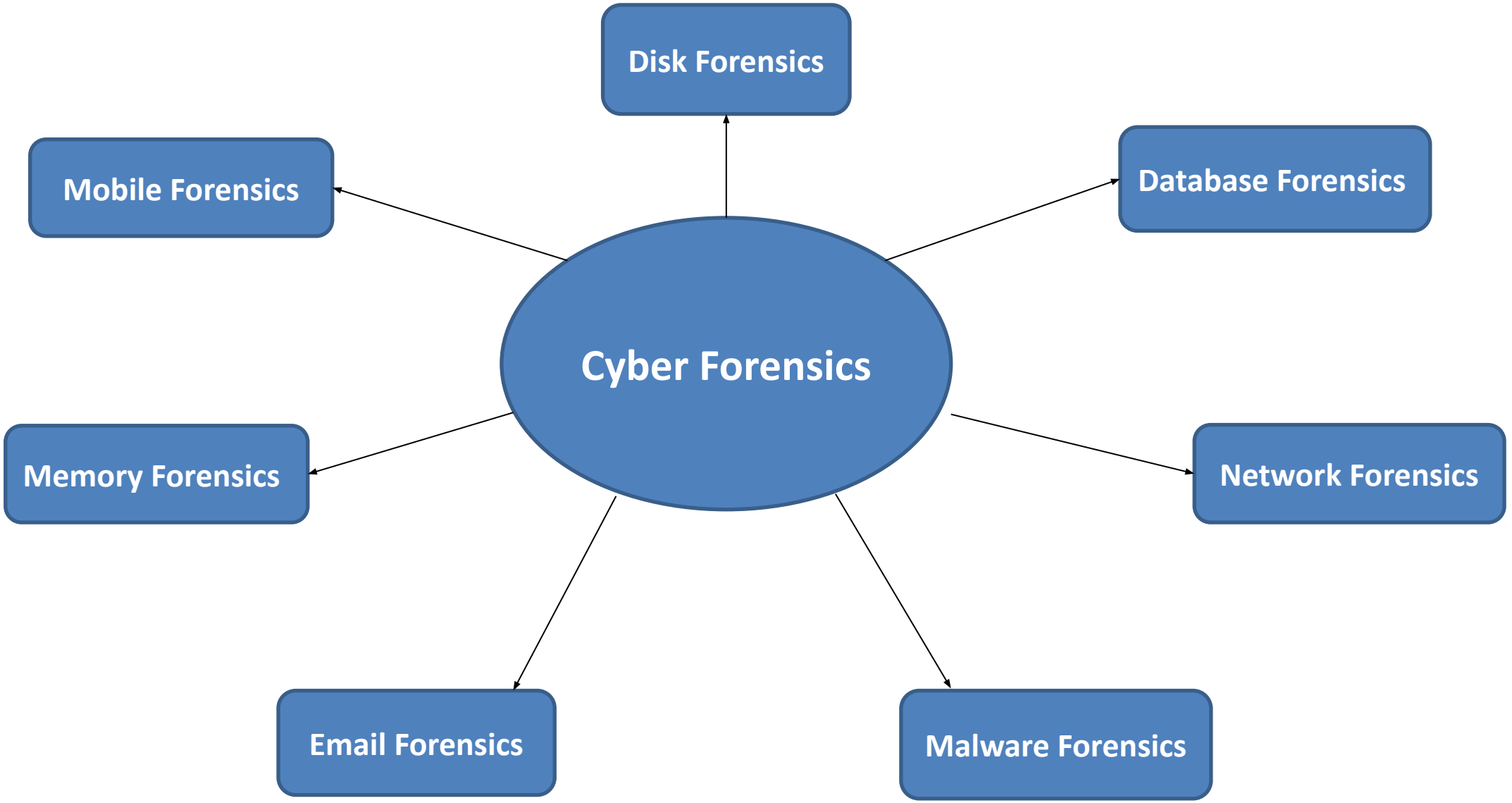
- Used in fighting against cyber crimes like Hacking and Denial of service attacks
- Motive behind the crime and the culprit can be identified easily
- Cyber Forensic report can be produced to the court of law as an evidence.
- Maintains the integrity of evidence
- To recover lost data

Cyber Forensics Process

Cyber Forensics Process

Types of Cyber Forensics

Types of Cyber Forensics




Cyber Forensics
Vs
Cyber Security

Skillsets required

Skillsets required

- Bachelor’s degree in Computer Science, Information Technology
- Technical and Analytical skills
- Good problem solving skills
- Soft skills such as passion towards the domain, strong communication skills, flexibility, and critical thinking
- Knowledge about law and cyber crime investigation
- Programming languages such as HTML, ASP, C/C++, Python, Java, and others

Cyber Forensics investigator

Cyber Forensic investigator

Cyber Forensics investigator is a professional who works with law enforcement agencies and other private firms to retrieve information from storage devices.

Cyber Forensics tools

Cyber Forensics tools

- The Sleuth kit
- FTK Imager
- Xplico
- OSForensics
- Bulk Extractor

Challenges

Challenges

- Excessive use of internet and storage space
- Evidence should be free from tampering
- Evidence should be authentic
- Investigators should have good technical knowledge
- Tools used for investigation should be of specific standards

Summary

Thank You